

Fall 2011

Horizons Fall 2011

Nova Southeastern University

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FALL 2011

HORIZONS

NOVA SOUTHEASTERN UNIVERSITY



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TABLE OF CONTENTS

Features

- Bullying **4**
A Conversation with George L. Hanbury II **10**
Coral Guardians **14**
A Treasure Chest of Artifacts **19**
NSU's Alvin Sherman Library Turns 10 **23**
Student Centered **28**
Changing Lives Scholarship **40**

Departments

- Letter from the President **2**

Academic Notes

- Hands-On Training at Nursing Simulation Laboratories **3**
Curtain up on New Musical Theatre Major **27**

Around Campus

- NSU's Greek Community Grows **37**
New Degree Programs Offered **35**

Faculty Profile

- Bruce Rogow **24**
Wilma Robles de Melendez **26**

Student Profile

- Jake Butler **9**
Lauren Waters **18**

Alumni Profile

- Tom Cairns **32**
Warren Cohn **34**
Donald Lemma **36**

Athletics

- Rowers Make Waves with Teamwork **38**
Sharks Baseball Team Thrives on Pressure **39**



Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, Telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees.

Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, sexual orientation, or national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.

04-179-11SAT

On the cover: Katelin Cassidy and Estella Austin practice their skills with a birthing mother simulator.



To the Friends and Family of NSU:

This is the first issue of *Horizons* that I greet you as NSU's sixth president. It seems only fitting that this issue also is about fresh starts.

Horizons is a perfect platform for me to discuss the university's shared vision, which was adopted by NSU's Board of Trustees on March 28, 2011. Our Vision 2020 Statement is

By 2020, through excellence and innovations in teaching, research, service, and learning, Nova Southeastern University will be recognized by accrediting agencies, the academic community, and the general public as a premier, private, not-for-profit university of quality and distinction that engages all students and produces alumni who serve with integrity in their lives, fields of study, and resulting careers.

This vision is the guiding light for all that we do and is reflected in NSU's eight core values: academic excellence, student centered, innovation, opportunity, scholarship/research, diversity, integrity, and community. The myriad articles in this issue of *Horizons* showcase that shared vision and are exemplary of our core values.

For example, scientists and researchers at NSU's Oceanographic Center have dedicated their careers to preserving the coral reefs and reef ecosystems through new discoveries and by developing cutting-edge scientific data. Their efforts were instrumental in securing the matching grant to build the Center of Excellence for Coral Reef Ecosystems Science Research Facility, scheduled to open next summer. The center will be the country's largest coral reef research center and will attract top visiting scientists, postdoctoral fellows, and graduate students.

This issue also shows that NSU is home to nationally known experts on habitual abusive behavior, treatment, or harassment, commonly known as bullying. Our behavioral scientists have made NSU a vital resource for school officials, human resources directors, and law enforcement departments attempting to curb this growing problem that impacts every age group.

In addition, *Horizons* illustrates how NSU's student educational centers bring facilities to students in order for them to achieve academic excellence and make the collegiate experience accessible to every major Florida metropolitan area.

Finally, *Horizons* will introduce you to outstanding students, faculty members, and distinguished alumni whose accomplishments make us proud and whose efforts will help NSU bring its vision to reality.

George L. Hanbury II, Ph.D.
President, Nova Southeastern University

HORIZONS

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Hands-On Training at Nursing Simulation Laboratories

BY KEN MA

High tech is en vogue for nursing students at NSU's College of Allied Health and Nursing. The college's highly competitive nursing programs utilize sophisticated patient simulators in classroom laboratories that are equipped with hospital beds, nurses' stations, and supply rooms. The latest technology gives the more than 1,000 students pursuing bachelor's, master's, and doctoral nursing degrees at NSU the most effective hands-on training they can receive before treating patients in a stressful hospital environment.

The robotic patients are being used in simulation laboratories at NSU's main campus in Davie and at the student educational centers (SECs) in Miami and Fort Myers. More than a dozen practice patients are equipped with computer software that enables them to emulate various medical conditions and physical ailments.

"This new lab provides students with the training, knowledge, and skill required to enter, or continue growing, in the nursing practice," said Diane Y. John, Ph.D., M.S.N., ARNP, program director for the nursing program at the main campus.

This innovated approach to hands-on learning allows nursing students to practice their skills on robotic patients who simulate people suffering from heart problems, pneumonia, and other conditions. They also have the opportunity to deliver a baby with a birthing mother simulator.

"Simulated experiences provide an opportunity for our students to gain a wealth of knowledge," John said. "We want them to be well prepared to manage the demands of caring for patients with complex and chronic needs in any health care environment."

At the main campus, the simulation laboratory is a replica of a real hospital floor complete with 22 beds, a nurse station, medical equipment, and advanced technology. The laboratory also features a 100-seat classroom, supply room, linen room, student lounge, and faculty offices.

The new nursing laboratory was built to accommodate the program's astronomical growth. NSU's three nursing programs' examination rate is at 96 percent, as compared to the state of Florida examination rate at 90 percent.

"With the phenomenal growth of the nursing program, it was obvious that more space was needed," John said. "The old lab, with six beds for students to practice, no longer met the needs of the nursing program."



Kaylie Empfield, foreground, and Betsy Cedillo

The SEC in Miami's Kendall area has four high-tech robotic simulators, including a baby and birthing mother, and 16 hospital beds. In two 60-seat classrooms, students can watch in real time other students and faculty members performing nursing procedures during simulated experiences.

"The facility is designed to help our students hit the ground running when they become professional nurses," said Sally Weiss, Ed.D., R.N., CNE, ANEF, professor and program director of the Miami SEC nursing program. "There is little room for mistakes in this profession."

Additionally, 40 full scholarships for nursing are available annually from Baptist Health South Florida. As part of their scholarship, these nursing students are required to work for three years with Baptist Health after they graduate.

The new nursing simulation laboratory also is used by Baptist Health South Florida as a training facility for its nurse residency program and nurses who work in critical care areas.

"By sharing resources, NSU is helping to educate Baptist Health nurses, which impacts the community," Weiss said.

The Fort Myers SEC features 13 beds with five patient simulators, including two adults, a child, a baby, and a birthing mother.

The nursing program was pioneered by Diane K. Whitehead, R.N., M.S.N., Ed.D., associate dean and chair of the nursing department, and other professional associates. These new laboratories help fulfill her vision for the program. ■



bullying

BY MICHELLE F. SOLOMON

A Florida middle-school student considered suicide because girls from her school had created a Facebook page to spread rumors about her. In a nearby city, a high-school sophomore was teased on his school bus by classmates who made antigay slurs and threatened several times to beat him.

These are just two of the numerous bullying incidents taking place daily. As a top research university, NSU is home to experts on various forms of bullying—from students who are targeted to cyber and workplace bullying. Their work has made NSU a nationally known resource for school administrators, educators, parents, students, employees, human resources directors, and law enforcement. NSU experts frequently speak to groups or are asked to directly deal with bullying situations.

The two Florida victims of bullying mentioned recently participated in Students United with Parents and Educators to Resolve Bullying (SUPERB), an interactive program that began at NSU to teach students how to deal with bullying. SUPERB's mission is to reduce, and, ultimately, prevent bullying. Among the services SUPERB provides are a hotline for students to call for help and methods to try to stave off the bullies and the confrontation.



SUPERB began as a project supported by a major gift from Florida Senator Jeremy Ring and his wife, Sharon Ring, to NSU's Graduate School of Humanities and Social Sciences to develop a school-based antibullying program. It is now operated by the non-profit Florida Endowment Foundation for Florida's Graduates.

The program model eventually will be expanded throughout Florida, educating the "entire school system," said Aurélia Melloul Bickler, M.S., L.M.F.T., SUPERB's clinical director and an NSU doctoral student.

"Students, teachers, administrators, and parents are all being trained, especially on how to develop an atmosphere of acceptance," said Bickler.

The National Association of School Psychologists states that 36 percent of boys and 38 percent of girls report being bullied once a week. As a result, many students skip school, which hampers their ability to do well; others withdraw and become isolated.

"For decades, society has been in denial of the emotional and social consequences that individuals, especially children, experience due to bullying.

Too often, it is accepted as simply a part of growing up," said Anne Rambo, Ph.D., who helped to found SUPERB and is now its faculty supervisor. She is an associate professor in NSU's Graduate School of Humanities and Social Sciences.

Scott Poland, Ed.D., associate professor at NSU's Center for Psychological Studies, often is in demand to speak on the subject of bullying. "The media, after several high-profile tragedies, has used the term 'bullycide' to describe the death of a victim of repeated bullying who died by suicide," said Poland.

In 2009, Poland addressed Congress, where he proposed a comprehensive, community-based approach to curb bullying and school violence. He said that many educators are finally realizing the importance of being "organized, unified, and consistent" to do something about bullying in schools. "They know it is ultimately their responsibility," said Poland, the author of several books on school violence.

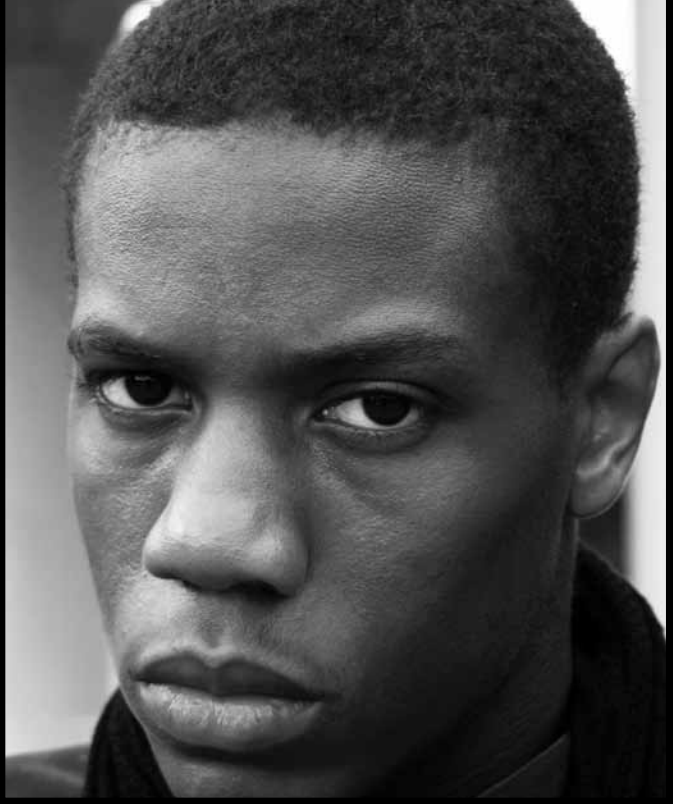
Cyberbullying

An expert in cyberbullying, Meline Kevorkian, Ed.D., executive director of NSU's academic review process, co-authored the book, *101 Facts About Bullying: What Everyone Should Know*. National education organizations consider the book a vital resource for educators and parents.

Her research, collected from third-, fourth-, and fifth-graders, found that approximately 27 percent of children worry about being bullied online, but only 12 percent had someone talk to them about online bullying.

"It is like every child is armed with a potential weapon, but hasn't been given the proper instruction on how to deal with these powerful technologies," said Kevorkian, who also teaches a bullying prevention course at NSU's Institute for the Study of Human Service, Health, and Justice. "We provide our children with cell phones for good reason, but we're not having the necessary talks. We give children access to computers 24 hours a day, 7 days a week."

NSU experts agree that peer involvement is crucial in preventive measures, and that bystanders play as vital a role in bullying as the bully. When he counsels school administrators, Poland suggests programs to reach



bystanders. “Those who are witnesses can take action to stop bullying instead of allowing bullying to take place.”

Peer-to-peer techniques also are proving effective. NSU alumna Patricia Cabal created Speak Up!, a collaboration involving Broward area middle-school students, in which improvisational acting techniques explore the different aspects of bullying.

Speak Up! was Cabal’s capstone project in 2009 for the Master of Science in Education with a specialization in Interdisciplinary Arts program, offered through what is now the Abraham S. Fischler School of Education.

“As the children improvised, they noticed different choices had different outcomes, and that positive peer pressure was a key factor in helping a victim,” said Cabal. “This project has a future in school communities where students can use the arts to understand how to make a difference in their own schools.”

The Weight of Words, a student-generated musical, was created in the drama department of Nova High

School, and was seen by more than 3,000 students during a 2011 tour of Broward County schools.

The musical grew from NSU’s ongoing partnership with the Broward Public School’s Office of Prevention, said David Spangler, Ph.D., program professor of the Fischler School’s M.S. in Education with a specialization in Interdisciplinary Arts program. Spangler is founder and president of the Lovewell Institute for the Creative Arts, an arts education program. The musical also benefited from work by Cheryl Duckworth, Ph.D., an assistant professor at NSU’s Graduate School of Humanities and Social Sciences.

“The students who wrote the play actually worked with NSU clinicians who knew the research. The students ended up adding musical numbers based on the clinician’s findings on the outcome of bullying situations,” added Spangler.

Following the performances, the student cast hosted a question-and-answer session that gave the student audience an opportunity to speak candidly to people their own age rather than authority figures.

“From this, we started a mentoring program. Bullying is happening at our school, and it’s happening elsewhere,” said Mary Levinson, community relations liaison at Somerset Preparatory School in North Lauderdale, one of the schools where *The Weight of Words* was performed.

Duckworth mainly works with teachers and students, both domestically and internationally. Administrators and education leaders also have joined her workshops. An expert in peace education, she also founded NSU’s Peace and Conflict Resolution Education Working Group. The course she teaches, Conflict Resolution for the School and School System, focuses on mediation and community building and understanding the political and economic contexts in which schools operate.

“We examine the kinds of conflict that schools deal with, including bullying, and what role the schools play in it,” said Duckworth.

In the workplace

Yet, bullying isn’t confined to the school setting. Workplace bullying is a specialty of Alexia Georgakopoulos, associate professor of conflict resolution and communication at NSU’s



Graduate School of Humanities and Social Sciences.

“Workplace bullies—people who belittle, humiliate, and threaten their co-workers—cost organizations billions of dollars a year,” she said. “In the workplace, bullying is a form of psychological violence, yet businesses are struggling to recognize and alleviate this problem.”

Georgakopoulos remembers four men at a multinational engineering business who sought the expertise of NSU’s Conflict Resolution department. “The men needed help with their manager. One of them contacted me and asked if he could meet with me. He said that he and his team were reluctant to expose the bully to their company because she was a pregnant female. They felt like they were going to look like cowards if they reported her,” said Georgakopoulos.

To most people, the pregnant manager wouldn’t seem to be a bully, but “what people don’t understand is that there are many types of bullies and many ways to bully,” she said.

Her research goes a step further, aiming to get to the root causes of workplace bullying.

“The research showed that, in some cases, it’s not just one person, it’s larger than that—the organization may be promoting a culture that cultivates bullying. Are we actually giving managers a license to put fear and

bullying in the climate and culture to get the performance and productivity?”

As for the engineers mentioned earlier, Georgakopoulos advised them to get a mediator. Six months later, the company’s management finally took the group’s complaint seriously. The manager eventually left her job, and the men soon left, too. “Ultimately everyone left because of the disruption of the entire incident,” she said. “And the organization ultimately paid the price as it lost its highly trained and specialized workforce. The organization pays the cost when bullying is ignored and no formal interventions and policies are in place.”

Today, there is little legal recourse regarding workplace bullying, drawing comparisons to the sexual harassment issue prevalent in companies 20 years ago, according to the researcher.

“Awareness ultimately can incite change,” said Georgakopoulos. “Whenever you have a problem, you need to find out what the causes are, and what the solutions might be. I think what we are all doing here is to help raise awareness about bullying in all its forms. Our job as researchers is to help those who have the power to do something about it, to find solutions.

Bullying is not going to go away. This is a complex, contemporary social problem, and it’s here to stay, until organizations develop formal interventions, policies, and bullying prevention training programs.” ■

NSU On-Campus Initiatives

Last October, NSU’s Criminal Law Society, along with the American Bar Association, presented the Juvenile Violence Symposium, “Blueprint for Change.” The public was invited, and the legal community received continuing legal education credits for attending. For information, call (954) 262-6100 or 800-986-6529.

Bullying is one focus of NSU’s Office of Suicide and Violence Prevention, developed to support crisis prevention efforts. The group received the Campus Suicide Prevention Grant Award by the Substance Abuse and Mental Health Administration in 2009. The three-year grant is an annual award of \$100,000, which NSU matches each year. For more information, visit www.nova.edu/suicideprevention.

The Lambda United Law Society, the Student Coalition for Human Rights, the Undergraduate Student Government Association, the Gay Straight Alliance of the Center for Psychological Studies, the Gay Straight Student Association, and the Office of Multicultural Affairs all work to ensure that no member of the NSU community is subjected to harassment or any other form of bullying. For more information, call (954) 380-2119.

STUDENT PROFILE

Master's Candidate Builds on His Real Estate Knowledge

BY BRANDON HENSLER

Jake Butler knows that a career can thrive even when an industry undergoes an upheaval. That's why, after working in real estate for 10 years, Butler is soaking up real estate development classes at NSU's H. Wayne Huizenga School of Business and Entrepreneurship. But, earning his second master's degree is only half the battle for the goal-oriented Butler. He also is fighting a debilitating disease.

Butler was born with sickle-cell anemia, a disease that causes red blood cells to form an "S" shape in the blood stream, resulting in a lack of blood flow to the muscles. The condition causes severe pain and lack of oxygen to the body, forcing Butler, 34, to spend one to three days each month in the hospital.

Butler's spiritual strength gives him the perseverance to pursue his degree. His goal is to advance his career in real estate as an investor, consultant, and property manager.

"I'm thankful for NSU," said Butler. "I'm thankful for what I have been able to achieve and for each day."

Butler's first master's degree was in public administration from George Mason University. He is slated to receive his master's degree in 2013 from NSU.

"Living with sickle-cell anemia makes me think about how to turn negatives into positives," said Butler. "I am able to attend school and try to fulfill my goals and dreams. Without goals and dreams, there's nothing."

Butler's path to NSU was forged by his mentor, Michael Maxwell, interim director of the university's Real Estate Development Program. They served together on a committee at Miami Country Day School where Butler taught history and economics.

Butler chose NSU because the school's faculty and staff members provide hands-on experience to connect students to industry leaders. Those professionals can provide the students with mentorships and open doors to potential employers.

"Employability is the ultimate goal," said Michael Fields, Ph.D., dean of the Huizenga School. "The Real Estate

Development Program is growing and providing direct value to the students who work hard to achieve their goals. We are proud of the program and of Jake. He is a great success story about overcoming adversity."

Butler, who specializes in commercial real estate, purchased his first commercial property in spring 2011—an eight-unit apartment building that he repaired.

Eventually he wants to build shopping centers and a low-income public housing development.

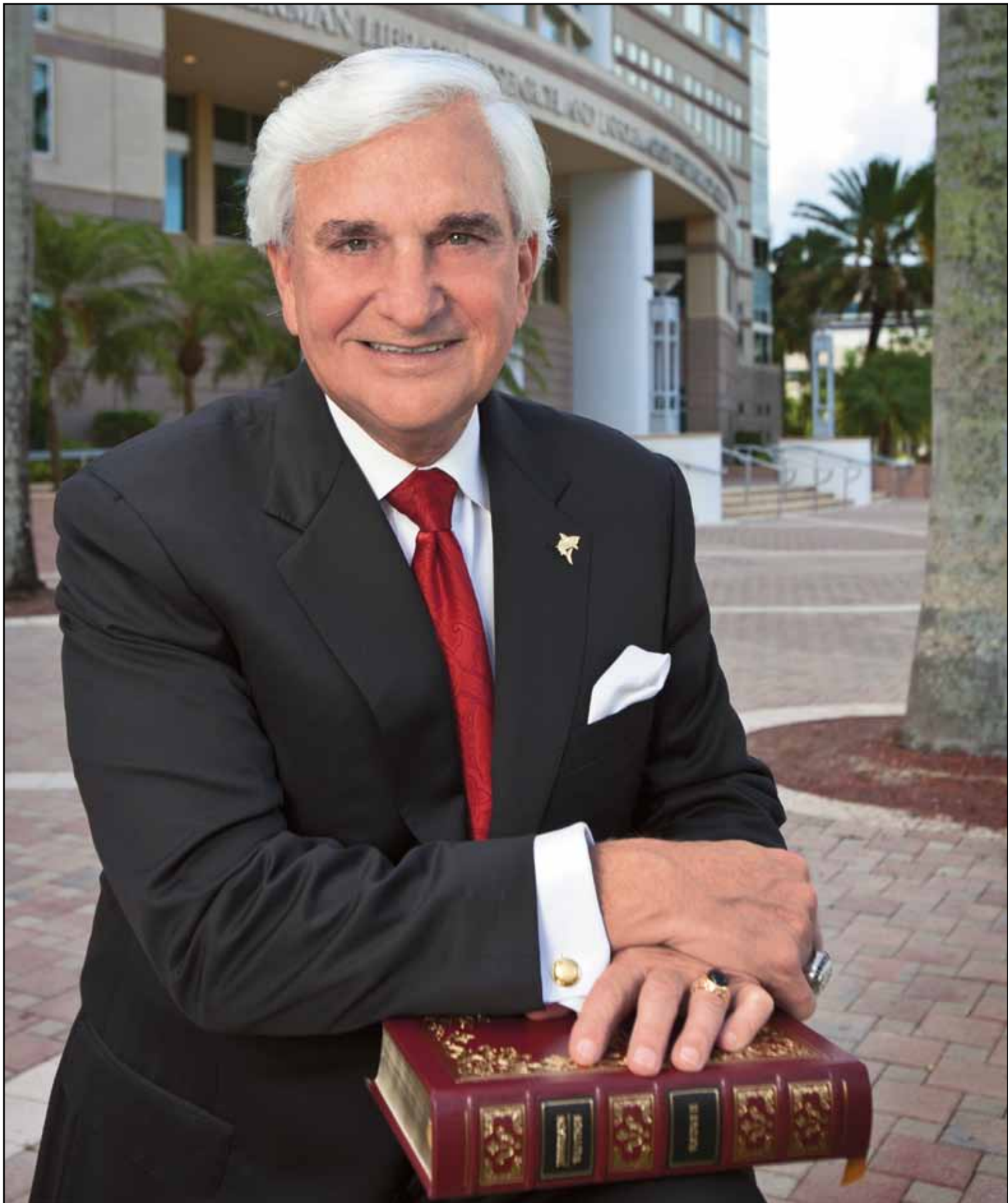
According to Maxwell, student success can be attributed to the mentorship program, which gets job results for many graduates. Additionally, many students obtain internships. All students participate in events and programs by industry groups, including the Urban Land Institute, an international nonprofit organization representing land use and real estate development.

"Our students learn what it takes to succeed in real estate from the leaders in the industry and our faculty members," said Maxwell. "Combined with our personal direction and assistance, it's a win-win situation."

Butler's success in school and in a struggling real estate market despite his ongoing battle against adverse health issues is clear evidence of one man's win-win. ■



Jake Butler is seated in front of the first apartment building that he bought and repaired.



A CONVERSATION WITH

George L. Hanbury II

NSU'S PRESIDENT DISCUSSES THE UNIVERSITY'S FUTURE

BY MICHELLE F. SOLOMON

During his April investiture ceremony, George L. Hanbury II, Ph.D., Nova Southeastern University's sixth president, called the gathering an opportunity to unveil a new vision and mission for the university.

The president's single-shared vision for the university community includes new facilities already on the drawing board, increasing the undergraduate population, more alumni involvement, expanding endowments, continuing the strong emphasis on research and scholarship, and, more important, furthering academic excellence.

In addition to being NSU's sixth president and current chief executive officer, Hanbury is also a professor at the H. Wayne Huizenga School of Business and Entrepreneurship. He served as NSU's executive vice president and chief operating officer since 1998. Before that, he was city manager and chief executive officer for the cities of Fort Lauderdale, Florida, and Portsmouth and Virginia Beach, Virginia, and was an assistant city manager for the cities of Virginia Beach and Norfolk, Virginia. Hanbury re-

ceived a Bachelor of Science degree in Business Administration from Virginia Tech and a master's degree in the same field from Old Dominion University. He received his Ph.D. in Public Administration from Florida Atlantic University.

He's been married to his wife, Jana, for 22 years, and they have two daughters, Melissa and Jia; a son, George (Trey); and five grandchildren. He and his wife live in Fort Lauderdale. In a recent interview, the president elaborated on what inspires him to lead NSU, the nation's eighth largest private, not-for-profit university.



Left: NSU President George L. Hanbury II, Ph.D., with a book by fellow Virginian, Thomas Jefferson.

Above: The president makes time to talk with students by the Chihuly glass work in the Alvin Sherman Library.



SINGLE-SHARED VISION

■ **HORIZONS** The vision statement for 2020, is not, as you say, your vision alone, but a collective, single-shared vision. Can you talk about the importance of this vision for NSU?

■ **HANBURY** No organization can ever succeed unless there is a single-shared vision throughout the organization that everyone understands and has had an opportunity to have input on. NSU's vision is, by 2020, through excellence and innovations in teaching, research, service, and learning, that this university will be recognized—and the operative word here is recognized—by accrediting agencies, the academic community, and the general public as a premier, private, not-for-profit university of quality and distinction that engages all students and produces alumni who serve with integrity in their lives, fields of study, and resulting careers.

During the last 18 months, I talked to more than 4,000 people—faculty and staff members, employees, student leaders, and community members—to share what originally started out as my vision. But, during those dialogues, I heard from many people, “If you can add this to the vision statement, it will be my vision statement.” It is, indeed, a shared vision statement.

■ **HORIZONS** The vision has a key component, NSU's eight core values.

■ **HANBURY** Students and individuals who associate with this university need to know what we stand for and what values we hold sacrosanct. We will accomplish and fulfill our vision, and see the mission of this university accomplished, without compromising our core values in the name of expediency. Those values are academic excellence, student centered, integrity, innovation, opportunity, scholarship and research, diversity, and community.

■ **HORIZONS** Vision 2020 includes cultivating donors; the need for scholarships; and the unprecedented ways to encourage gifts from alumni, faculty and staff members, and friends of the university. What will you do personally to see that goal met?

■ **HANBURY** When I became president, I said that I would be more like my preacher asking for individuals' time, their talent, and, just as important, their gifts or their treasure. I would like to see the percentage of our contributions increase even if it is only one dollar. I would like for them to think about giving one dollar to go toward a deserving student and, in that way, begin to repay the community and this university for the education they received so that others may see their academic dreams come true.

■ **HORIZONS** During your professional career, did you ever imagine you would be president of a university?

■ **HANBURY** I never thought of it in that fashion. I felt that I always wanted to give back to the community, which is how I got involved in public service in the first place. I really believe that whatever I have achieved, it is from inspirational lessons that my mother [Adah] taught me. She encouraged me to pursue education beyond high school and into college and to get my master's degree and eventually my Ph.D. She said that “education is an investment that cannot be diminished

and is the secret to freedom.” Freedom gives you power to expand in whatever you wish to undertake or do. And the secret to that freedom is courage. So, when you combine courage with the desire to achieve educational pursuits, it gives you the freedom to undertake any path you wish to accomplish.

Also, during my investiture, I talked about some truisms that my mother and my father [Emmette] taught me, and one that has been with me in just about everything I've done in the last 45 years is, “If a task is once begun, never leave it until it's done. Be the labor great or small, do it well, George, or not at all.” And that's the way I'm going to do things until I can't anymore.

STUDENTS AS LEADERS

■ **HORIZONS** You enjoy athletics, were a runner, and are an avid swimmer. What do you think of the success of student-athletes at NSU? [For the first time since joining the NCAA in 2002, Nova Southeastern University finished in the top 25, finishing 22nd out of 234 Division II institutions for the National Association of Collegiate Directors of Athletics Learfield Sports Directors' Cup for Division II for 2011.]

■ **HANBURY** We have wonderful NCAA athletic programs here. We have 17 sports, 370 student-athletes, and the cumulative grade point average for those athletes is better than 3.0. Our women's golf team just won its third consecutive national championship. Division II of the NCAA emphasizes the student-athlete, and at NSU, education comes above athletics. We prepare student-athletes to be leaders for the rest of their lives.

■ **HORIZONS** One of the initiatives that is important to you and the board of trustees is growing the undergraduate program. Why is that on the top of your to-do list?

■ **HANBURY** We want to be recognized not only for our great graduate programs, but also our undergraduate programs. We are making strides to attract the best and the brightest undergraduates because of our excellent graduate and professional programs. We want them to come to this school to enjoy great campus life, our multitude of programs, classrooms, laboratories, buildings, and dormitories that are state of the art. There's no other school that I'm aware of that has more than 90 graduate and professional programs where undergraduates can exercise passionate curiosity and preview graduate or professional programs, or, in their fourth year, through our Dual Admission Program, go directly into a graduate or professional program.

NSU RESEARCH CENTERS

■ **HORIZONS** By summer 2012, the new Center of Excellence for Coral Reef Ecosystems Science Research Facility will be completed at NSU's Oceanographic Center and its National Coral Reef Institute on the ocean side of Port Everglades (See story on page 14). How will this new research center raise the university's profile?

■ **HANBURY** For 30 years, we've been at Port Everglades in Fort Lauderdale and Hollywood, where millions of people go in and out on the largest cruise ships in the world. For 30 years, all those ships have passed by little, two-story buildings whose participants conduct significant

marine biological and coral reef research and preservation with global impact. After being awarded a competitive grant of \$15 million from the federal government, we are in the midst of constructing the \$40-million Center of Excellence for Coral Reef Ecosystems Science Research Facility. When it opens in 2012, this will be a signature structure that will be instantly recognizable as Nova Southeastern University and whose scientists and students will be discovering ways to improve the world's oceans and ecosystems from extinction.

“We are making
strides to attract the
best and the brightest
undergraduates...”

■ **HORIZONS** Are there other plans in the works?

■ **HANBURY** We also are planning to build the Center for Collaborative Research (CCR) on our main campus. In that structure, there will be wet labs for our researchers and our scientists to study and to collaborate among different disciplines with other researchers for technology transfer and the development of patents. We also will have the only private incubators in Broward County to attract biotech and high-tech businesses to work with our faculty members and students to develop new processes. In addition, the CCR will house offices for researchers from the U.S. Geological Survey as well as laboratories for software engineering and computer development and high-tech demonstrations.

Nova Southeastern University is not only an educational institution, but a research institution that is an economic engine. We are the knowledge-based industry for the future. The plans for the CCR will go to the trustees this fall. If it is approved, we will see both the Center of Excellence for Coral Reef Ecosystems Science Research Facility and the Center

for Collaborative Research come to development almost within the same time. That would mean that NSU could have, within the next 24 months, more than \$120 million worth of research facilities that we never had before. I expect that by 2020, we will expand from our present \$75 million of externally funded research to more than \$300 million because of the availability of those facilities to our researchers and the community.

If we are successful in attracting first-time-in-college students to come here then, in three to four years, we will have to build more dormitory space. More undergraduates would require more classroom space, and more parking facilities.

I also would like to see the Academical Village begun, or even completed, by 2020. It will be a mixed-use project integrated into the main campus, comprising space for research, offices, residents, retail, a hotel conference center, a hospital, and medical offices. It's a worthy project for this university.

■ **HORIZONS** On a personal note, when you are not NSU President George L. Hanbury II, what do you do in your spare time?

■ **HANBURY** I have a 20-foot fishing boat that I like to try to go out on during the weekend. I do more fishing than I do catching. I also love to read. It's important to try to keep up on the literature of my discipline and to try to expand my mind. I like to read historical novels.

■ **HORIZONS** What would you like George L. Hanbury II, Ph.D., to be remembered for as NSU's sixth president?

■ **HANBURY** One, that I devoted my entire life to education and encouraged others to pursue education. The other thing that I'd like to be recognized for is that vision 2020 came into fruition. ■

To watch the entire interview with President Hanbury, visit www.nova.edu/president.



CORAL GUARDIANS



**National Coral Reef Institute's
research will be buoyed
by a new Center of Excellence
for Coral Reef Ecosystems
Science Research Facility.**



In a state blessed with white-sand beaches, balmy year-round weather, and warm tropical waters, there's another unique natural resource that's attracting the tourists. But they can't be easily seen unless you dive below the water. They are the coral reefs that line Florida's coast, creating homes for myriad tropical fish, diverse marine plants, and animals.

Most Floridians don't realize that the Sunshine State accounts for 84 percent of all the coral reefs in the United States. In South Florida alone, reef ecosystems annually pump more than \$6 billion into the economy through recreational activities, fishing, and tourism. The reefs sustain more than 71,000 jobs and inject \$2 billion each year into Broward County's economy, according to a study by the firm of Hazen and Sawyer, environmental engineers and scientists.

No organization is more dedicated to ensuring these valuable resources are protected for future generations than the National Coral Reef Institute (NCRI), an integral component of Nova Southeastern University's Oceanographic Center. The scientists and researchers here have dedicated their careers to preserving the reefs through new discoveries and producing important scientific data to understand the biology, geology, chemistry, and physics of reefs.

"We are proud of our reputation and the contributions to coral reef science," said Richard E. Dodge, Ph.D., NCRI's executive director and dean of the Oceanographic Center (OC). "Coral reefs are precious and valuable natural resources. Unfortunately, reefs are in decline from many local and global stressors. We help provide research and education products to help understand, manage, and conserve them."

Founded in 1998 through a congressional mandate, NCRI has established itself as one of the world's premier coral reef research facilities. It is one of four in the United States, and the only one in the contiguous states.

Located at NSU's OC in John U. Lloyd Beach State Park in Hollywood, Florida, the institute's mission is to explore scientifically sound approaches to understand, assess, monitor, restore, and mitigate injured coral reefs. Research is designed to produce knowledge and products to help environmental agencies, government officials, and scientists manage and conserve reefs.

"The research we do has real-world applications," Dodge said.

In summer 2012, NCRI's research will be buoyed by the opening of the 86,000-square-foot Center of Excellence for



John Santulli, vice president for Facilities Management, and Richard Dodge, dean of the Oceanographic Center, examine plans for the new center.

Coral Reef Ecosystems Science Research Facility. The \$40-million center was made possible because of a \$15-million federal research grant—the largest in NSU's history—from the U.S. Department of Commerce's National Institute of Standards and Technology. As the country's largest coral reef research center, the facility will be dedicated to coral reef ecosystem science research and will attract top visiting scientists, postdoctoral fellows, and graduate students.

"The Center of Excellence will be transformational for coral reef science and will help NCRI bridge the gap to the future of coral reef research," said Bernhard Riegl, Ph.D., NCRI's associate director and OC professor.

Building a Reputation

A leader in coral reef research, NCRI began garnering attention in the scientific community with innovative research funded by millions of dollars from public and private entities. These awards have come from the National Oceanic and Atmospheric Administration, U.S. Navy, U.S. Geological Survey, Environmental Protection Agency, U.S. Coast Guard, state of Florida, and Broward County, as well as private foundations and corporations.

NCRI was the first to map the Southeast Florida coral reef track,

a system that's part of the Florida reef system, but not as well understood as the reefs of the Keys. The true Florida reef track runs hundreds of miles from Martin County in the north; down through Palm Beach, Broward, and Miami-Dade counties; and through the Florida Keys and the Dry Tortugas. This reef includes many species of corals such as staghorn, brain, and pillar.

"We mapped the reef track to make people aware of it," Riegl said. "It was virtually unknown until the early 2000s. People never considered this reef system to be as major as it is."

He added that, "NCRI scientists also have made advances in producing 3-D computerized maps of coral reefs in Florida, the Red Sea, the Persian Gulf, the Atlantic, and the Caribbean."

NCRI's contributions to science have included developing an understanding of the importance of high-latitude reefs, including those of Florida. Many reefs grow strictly in the low-latitude tropics, but a significant number of reefs also form outside the tropics of Cancer and Capricorn.

NCRI has produced scientific knowledge through studying and understanding the dynamics of coral reef larvae, investigating the history of reefs and how they were influenced by ocean conditions over time, and growing

juvenile corals in on-shore and off-shore nursery areas before they are released into the wild in order to replenish dead or injured corals. Researchers have collaborated with and provided outreach, management, research, and training products to U.S. agencies, scientists, and agencies of foreign countries.

Additionally, NCRI scientists invented pioneering software, now used by many scientists throughout the world. For example, Coral Point Count allows researchers to analyze a wide range of underwater photographs of reefs. Habitat Equivalency Analysis is another NCRI-generated software product. This program has a graphical user interface and facilitates calculation of the amount of compensation needed to pay the manager of the natural resource for damages caused to coral reefs by incidents such as anchorings or ship groundings. NCRI's research and discoveries grace the pages of the world's top scientific journals such as *Nature*, *Science*, and *Coral Reefs*. The institute has published 123 peer-reviewed articles since its founding, a pace of almost 10 publications a year.

"It's the same level of productivity per investigator as Ivy League universities," Riegl said.

As the institute's reputation grew, so did the opportunities. In 2008, NCRI



Ph.D. candidate Abby Renegar checks the Oceanographic Center's outdoor coral nursery where the researchers grow coral, such as staghorn, for restoration.

hosted the 11th International Coral Reef Symposium, the largest coral reef research meeting in the world. Held every four years, this was the first time in 30 years that the symposium was held in the United States. "Hosting the conference was huge," Riegl said. "It put us on the map as a coral reef research heavyweight."

Diminishing Resource

Everything done by this heavyweight is designed to better understand and provide information to conservationists and managers that will help preserve and utilize one of Florida's most important resources—the 43,059 square miles of coral reefs.

Once plentiful, these living ecological systems are now in decline. Threats include ship groundings and anchors, the overgrowth of algae in areas of excessive nutrients, the frequent hunt for aquarium fish, and pollutants carried to the ocean by storm drains and sewers. Corals also are under severe threat by climate change, which can raise ocean temperatures and acidity to lethal levels for corals. As a result, reefs die. This disrupts the ecosystem because they provide shelter, food, and living space for fish and other marine life, as well as a thriving economy for local and regional economies all over the

world. This large-scale ecological and physical change will likely worsen in the future.

"If the reefs die, the fishing industry will die, and tourism will die," said Bill Gallo, an architect who is the chairman of the OC's Dean's Development Council (DDC), an advisory board for the dean. "We need to get this message out to the public to raise awareness."

The business community, Gallo said, needs to work closely with NCRI to collaborate on ways to keep healthy populations of coral reefs available for the increase in demand brought by tourism. The council's goal is to raise funding for scholarships, endowments for faculty chairs, research projects, educational programs, and equipment. The DDC also helps develop programs and establish partnerships.

The Road Ahead

NCRI researchers see declining reefs as a challenge to overcome. Researchers like Sam Purkis, Ph.D., OC associate professor, and Brian Walker, Ph.D., NCRI research scientist, are developing sophisticated maps of reefs that provide detailed information for other scientists and environmental authorities to make better decisions.

Investigators like David Gilliam, Ph.D., OC assistant professor, are tracking pollutants and other threats to save coral reefs in Florida and Mexico. Joe Lopez, Ph.D., associate professor, studies reef sponges and their microbe communities, which also live in the reef ecosystems. Scientists, like Riegl, are using mathematical models to monitor coral reef damage.

With the upcoming opening of the Center of Excellence for Coral Reef Ecosystems Science Research Facility, everyone at NCRI sees a bright future. "It will give us more room, and more exposure, and help us attract top researchers and students," Purkis said.

Abby Renegar, M.S., a Ph.D. candidate at the OC, said she is excited that the building will have laboratories equipped with running sea water, allowing researchers to maintain thousands of corals and produce coral nurseries on a much larger scale.

Dodge sees a future where the OC and all of its programs grow in the number of grants, researchers, and students, as well as in the quality of research, education, and outreach. "We want to make more discoveries and be known as one of the best oceanographic schools in the world." ■

Please visit www.nova.edu/ncri/news/ncri_veracruz.html to view a video of NCRI scientists working at the Veracruz Coral Reef System State Park.

STUDENT PROFILE

OC Grad Student Makes Waves

BY CHARLYNE VARKONYI SCHAUB

Lauren Waters, a graduate student in Nova Southeastern University's Oceanographic Center and Florida's National Oceanic and Atmospheric Administration (NOAA) Coral Fellow, had never seen the ocean while growing up in Fort Wayne, Indiana, a city of botanical gardens, golf courses, and rivers.

But she heard its siren call. At 14, she told her parents she wanted to be a marine biologist.

"My parents made a deal with me," said Waters, 31. "They said, 'You buy the mask, fins, and snorkel, and we will pay for scuba lessons.'"

It snowed the day she was certified in scuba diving in a rock quarry. Later, her dad was certified in an Indiana lake so he could be her dive buddy. Soon after, father and daughter went on their first ocean dive in Boynton Beach, Florida. And she was hooked.

Waters returned to Florida to major in marine science at Eckerd College in St. Petersburg, where her internships included work on the physiology of crustaceans and volunteering at the Marine Mammal Necropsy Lab, assisting with postmortem examinations of animals.

She has worked in the genetics department at Florida's Wildlife Research Institute on Florida's Gulf Coast and spent four years studying environmental restoration at Fort Desoto in Tampa Bay.

Waters chose NSU for her master's degree in marine biology and marine coastal zone policy because she was impressed with the National Coral Reef Institute at NSU's OC.

"NSU will help me succeed in today's competitive marine biology field," Waters said. "The courses keep pace with current issues."

She is looking forward to working in the OC's new Center of Excellence for Coral Reef Ecosystems Science Research Facility, which is expected to open in summer 2012.

"[NSU's] new facility broadens the scope of research," she said. "Important sponge and fisheries work is currently under way. NSU is poised to be at the forefront of not only reef, but ocean research in our nation."

Waters takes classes at NSU and, as part of her fellowship, works 40 hours a week as the maritime industry and coastal



Lauren Waters is one of seven Coral Fellows.

construction impact coordinator for the Florida Department of Environmental Protection's Coral Reef Conservation Program. She will coordinate reviews of various projects, investigating the impacts of coastal construction on southeast Florida reefs for the next two years.

"She is an excellent addition to the Coral Reef Conservation Program," said Dave Gilliam, Ph.D., assistant professor at the OC.

Being a Coral Fellow puts Waters in a prestigious group. Competition was tough for the Florida fellowship, said Joanna Walczak, assistant manager of the Florida Department of Environmental Protection's Coral Reef Conservation Program. Of 50 applicants, only 5 were interviewed. Seven fellows are in the United States, one for each territory or state that has reefs.

"She has a bright future in this industry," said Walczak, M.S. in Marine Biology from NSU. "She has an incredibly strong work ethic and a positive approach to everything."

Waters, who likes a balance of field and desk work, hasn't decided whether she will concentrate her master's degree in marine biology or coastal zone management—or both.

One thing she does know for sure: "I will get to work in great places where flip flops are standard," she said. ■

For more information on the Coral Fellow, visit <http://coralreef.noaa.gov/aboutcrfcp/fellowship>.

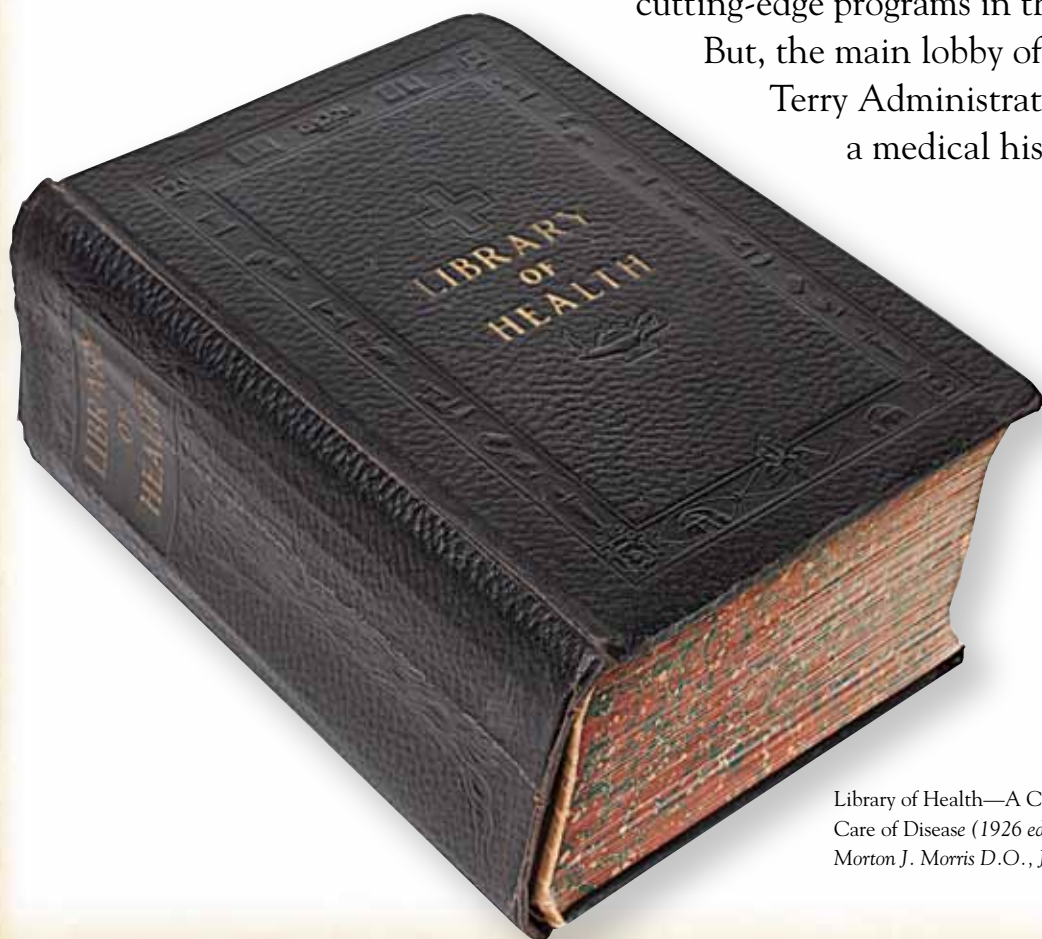
A Treasure Chest of Artifacts

ON DISPLAY AT THE HEALTH PROFESSIONS DIVISION MUSEUM

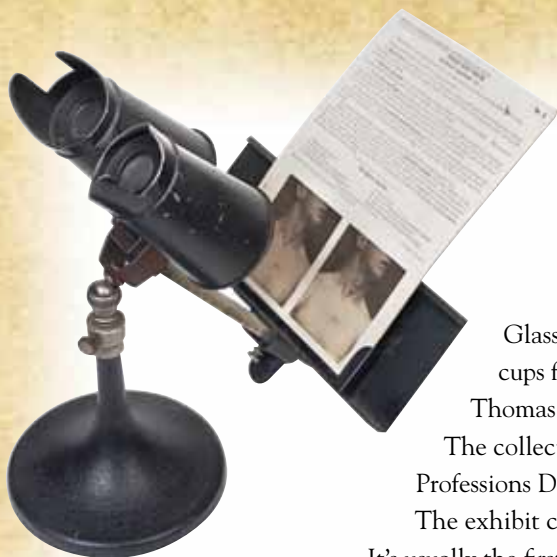
BY KEN MA

From the outside, Nova Southeastern University's Health Professions Division epitomizes a stunning complex of modern architecture that houses cutting-edge programs in the health field.

But, the main lobby of the division's Terry Administration Building offers a medical history lesson.



Library of Health—A Complete Guide to Prevention and Care of Disease (1926 edition), donated from the estate of Morton J. Morris D.O., J.D., FAOAO, FACOS, FCLM



Benjamin Martin's drum microscope (circa 1900), donated by Stanley Warmbrandt

Boy Scouts of America First Aid Kit showing manual, gauze package, water purification pills, and bottle of mercurochrome (1940), on loan from William D. Hardigan, Ph.D.



Glass cases containing artifacts such as Bahnke cups from 1610, a skeleton dating from 1910, and a Thomas Edison light bulb are among the items on display.

The collection is known as the Health Museum of the Health Professions Division.

The exhibit consists of 34 display cases scattered across the lobby. It's usually the first thing visitors see when they visit the Health Professions Division. Artifacts represent each of the division's six colleges—osteopathic medicine, pharmacy, optometry, allied health and nursing, medical sciences, and dental medicine. The museum is the only one of its kind at NSU.

"The museum is a hidden treasure," said its curator Cynthia Magalian Tupler, B.F.A. "Every item has a story. They paint a portrait of what health care was like long before our students were born."

Magalian Tupler's father, Paul Magalian, R.Ph., Ph.D., a former NSU College of Pharmacy dean, started the museum in 1996 from his own extensive collection.

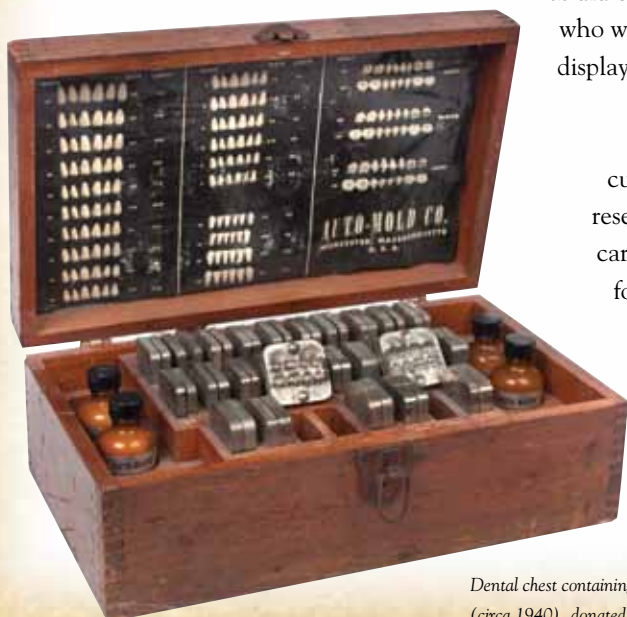
What began as a humble showcase of health care memorabilia soon grew, thanks to word of mouth. Paul Magalian's friends began donating their treasures, as did other health professionals, who wanted their artifacts on display for the public to see.

Magalian's daughter eventually took over as curator. She painstakingly researched, cataloged, and carefully arranged the items for display.

"It's important to preserve these items for future generations. I feel like I am a guardian of these pieces of antiquity," said Magalian Tupler.



Clear glass vapo-cresolene poison in Warnig bottle (late 1800s), donated by Evelyn Salerno, B.S., Pharm.D.; and Johnson & Johnson Band-Aid tin (circa 1941–1945), donated by Alan Malachowsky B.S., M.S., R.Ph., Ph.D.



Dental chest containing a set of molds for making anterior acrylic teeth (circa 1940), donated by Alvin L. Krasne, D.D.S., FICD



Physician's medicine bag (circa 1920), donated by Berry Blumenthal, D. O.



Henry Troemner Philadelphia No. 5 gram scale with calibration weights (circa 1920), on loan from H. John Baldwin, Ph.D.



From left to right: Laudanum (opium tincture) cobalt blue poison warning bottle (1892), donated by Salerno; Hobson's Anti Skeeter (circa 1920), donated by Paul Magalian, R.Ph., Ph.D.; genuine water from History's Famous Fountain of Youth, St. Augustine, Florida (circa 1950), donated by Magalian

Some of the pieces include an early phorometer from the late 1800s used by optometrists for eye exams, which looks strikingly similar to the modern version.

A drum microscope from 1900 provides a closer look at a patient's black and white exam photos. There's also a brown wooden box containing everything a dentist from the 1940s would need to make anterior acrylic teeth.

Recent NSU College of Optometry alumnus Alfonso Puzzo was particularly interested in viewing the optometric items. These include eyeglasses from the first apothecary in the Washington, D.C., neighborhood of Georgetown, when America was still a British colony. There also are trial frame glasses from 1918, an American Optical Company stand from the 1940s, and a lensometer from the early 1900s that was used to verify the correct prescription for eyeglasses.

"It's interesting to see where optometry started," said Puzzo, who first saw the museum before his admissions interview for the College of Optometry. "The museum got me more excited about the college."

It makes Alan Malachowsky, one of the museum's most generous donors, happy that young people like Puzzo are influenced by the museum. A retired New York pharmacist who now lives in Florida, he has given the museum a plethora of items, which he collected from flea markets, old drug stores, and hospitals. "It's a beautiful museum that helps educate people," said Malachowsky, R.Ph., M.S., Ph.D. "How many young students have ever seen a battlefield surgical kit?"



Genothalamic refractor (late 1800s), donated by the NSU College of Optometry



The 34 glass cases containing hundreds of antique items give visitors a glimpse of earlier medical practices.

One of his most prized donations, the bahnkes cups, were inherited from his grandfather, who got them from his grandfather, who got them from his grandfather, and so on. The cups were a precursor to today's over-the-counter analgesic rubs used to relieve muscle pain. Back in the day, the cups were heated with alcohol and placed on a patient's back to create a suction and vacuum affect. This would circulate blood to heal muscle aches.

The museum is a regular stop for many people going through the Health Professions Division as well as tours taken by grade- and high-school students.

"The museum has become such a fixture at the Health Professions Division that I can't imagine what the lobby would look like without it," Magalian Tupler said.

Fred Lippman, R.Ph., Ed.D., NSU's Health Professions Division chancellor, said the museum tells the story of the health professions and the rich education that's taught in all six colleges and nearly 20 programs. "It's a great educational tool that teaches us about our history, so we can make good decisions about our future," he said. ■



Cynthia Magalian Tupler with a vintage mortar and pestle is curator of the Health Museum in the lobby of the Health Professions Division.



Dental Time Machine

BY KEN MA

Walk into the lobby of one of the largest dental clinics in America and the first thing you'll see is a dark-brown leather chair, a ceramic pot, and an antique lamp. This rudimentary dental setup is in stark contrast to the 150-plus high-tech dental chairs at NSU's College of Dental Medicine.

However, this blast from the past—a dental operator from 1915—is a real attention grabber with patients and visitors. The idea is to give a glimpse into what the dental profession used to be and how far it has come, said the exhibit's creator, Alvin Krasne, D.D.S., a retired North Miami general dentist.

A 1915 operator contained a small chair, open-tube X-ray, and cuspidor. Everything was powered by a foot pedal because the operator had no electricity.

"It's fascinating to see how far the profession has come," said Krasne, who practiced dentistry for 45 years before retiring in the 1990s.

Krasne collected all the antique items for the operator that has been at the college since 2003. A graduate of the St. Louis School of Dentistry, Krasne's scavenger hunt landed him dental items such as a walnut dental cabinet from a dentist affiliated with the famed Menczer Museum of Medicine and Dentistry in Hartford, Connecticut, and a 1913 Ritter dental pump chair from the Harris National Dental Museum in Baltimore, Maryland.

"Putting the operator together was a passion of mine," he said. "It makes me happy to know it's an educational tool for others."



NSU's Alvin Sherman Library Turns 10

A YEARLONG CELEBRATION

BY ANDRA LIWAG

Ten years have passed since Nova Southeastern University's Alvin Sherman Library, Research, and Information Technology Center opened its doors to the public. But the facility's goal remains the same: to provide top-notch service to the university and the entire community.

And for the past decade, the Alvin Sherman Library has been doing just that through its high-caliber staff and collections of research materials, specialized databases, popular books, magazines, journals, CDs, and DVDs. Special programs for children and teens, author readings, workshops, exhibits, and more are a regular feature at the library.

"We are excited to reach this milestone, and look forward to the next ten years and beyond," said Lydia Acosta, NSU's vice president for information services and university librarian. "There are so many ways our library can enhance our patrons' lives, and we plan to use this anniversary to kick off a year of free, engaging, entertaining, and life-enriching activities."

Acosta said the yearlong celebration will begin with a special birthday party on Saturday, December 10, 2011, including a cake to be cut by special guest and library namesake, Alvin Sherman.

The party also will feature a performance by Fred Garbo's Inflatable Theater Company, with giant balloon-like objects that seem to take on a life of their own. Garbo is best known for his *Sesame Street* role as Barkley the dog, and appearances on Broadway and *The Late Show with David Letterman*.

Acosta said the innovative show is a good fit for the series kickoff since it appeals to all ages and is a little different—just like the Alvin Sherman Library.

"When we opened on December 8, 2001, our spacious, high-tech library became one of the only in the nation to boast a joint-use agreement," Acosta said. "This agreement between NSU and the Broward County Board of County Commissioners allows us to create a perfect balance between a bustling community hub and a student-friendly study central. If you haven't already checked it out, you're missing a true campus gem."

For more information about the library or its upcoming celebration, visit www.nova.edu/library/main. ■

Alvin Sherman views famed artist Dale Chihuly's glass work on the library's second floor.

FACULTY PROFILE

Bruce Rogow Believes in the Power of the Law

BY BRANDON HENSLEY

Often students have a class or two—in any curriculum—that they dread taking. But, **Bruce Rogow's** law classes brim with students who feel privileged to learn from this professor who has been with NSU for 37 years and who has made significant impact on the law and the legal profession.

Rogow, J.D., teaches Civil Procedure and Federal Jurisdiction at the Shepard Broad Law Center. In the past, he has taught First Amendment Law and Criminal Law, among other courses.

Those able to secure one of the prized seats in Rogow's classes, as did Thomas M. Lynch IV, judge for the Broward County Circuit Court, describe it as an unforgettable experience. "In the classroom, and in the courtroom, Bruce has been on the cutting edge of law for more than 40 years. He is professional, classy, and cool—one of a handful of true constitutional scholars," said Lynch, who earned his J.D. from NSU in 1977.

Rogow's belief in a legal education goes beyond the mock courtroom. He's on a personal mission to generate interest in the NSU Law Center and to motivate alumni to give back to the university.

During fall 2010, Bruce and Jacquelyn Rogow, who have made contributions in the past, made a donation of \$25,000 for scholarships and a challenge to alumni: raise another \$25,000, and the couple would match it. The Rogow Challenge, as it was dubbed, was the first time that such a campaign had been undertaken at the Law Center. The couple is proud to have been the catalyst to help raise \$75,000, so far. They expect that the Rogow Challenge will continue to build from alumni momentum and will help attract more top-rate students to the Law Center.

"Students are the Law Center's number one resource. And we are in a battle for the best students, and some of that is waged with dollars," Bruce Rogow said.

"Abe Fischler put the Law Center on a strong intellectual footing. Then, Ray Ferrero, Jr., grew it through good academic and business decisions as well as a commitment to the community." Rogow said he looks forward to George L. Hanbury II, Ph.D., NSU's president, leading the Law Center and NSU into the future.

Rogow's reputation is stellar in the legal community. His numerous awards through the years include the National Legal Aid and Defender Association's Reginald Heber Smith Award and the *Playboy* Foundation First Amendment Award. He was the first practicing lawyer to win the James C. Adkins Award for contributions to appellate practice in Florida. In 2007, he was named the Most Effective Appellate Lawyer in South Florida. Rogow has argued more than 500 cases in his career, 11 of which were before the U.S. Supreme Court and more than 50 were before the Florida Supreme Court.

Civil Rights Work

Before moving to Florida to work at Legal Services of Greater Miami, which provides free civil legal services to needy individuals, Rogow began his career in Mississippi during the middle of the civil rights movement. He recalls working with extraordinarily talented attorneys and volunteers from the Lawyers' Constitutional Defense Committee and the American Civil Liberties Union. This period in history taught Rogow how the law can change things and improve access to justice. The 1960s civil rights battleground ultimately spun off into reforms for women, gay rights, and a host of other efforts.

During his esteemed 47-year career, Rogow has had notable impact in various areas of law including criminal, constitutional, appellate, and civil litigation. He has been listed in *Best Lawyers in America* in multiple areas of law for 25 years. Following the 2000 election, Rogow represented Theresa LePore, Palm Beach County's supervisor of elections at the time, whose butterfly ballot created a national furor.

Coming of age during the turbulent 1960s, along with his extensive experience in the courtroom, has given Rogow a broader interpretation of law school, which he believes provides a "specialized liberal arts education."

Although many attend law school for traditional reasons such as to become a trial or appellate attorney or to specialize in tax, bankruptcy, or real estate, Rogow believes that "to look just at those professions is a short-sighted view of what a person can truly get out of a legal education. Look at any page of a

"One is a better lawyer
for having a broad
range of knowledge
of law and society."



Bruce and Jacquelyn Rogow have filled their home with artwork from their travels around the world.

newspaper and there are legal issues. It's an exciting field that's woven into everything we do in life," he said.

Rogow considers a legal education to be a three- to four-year growth period for students. "A legal education enlarges you as a person, and then, once you know where you are headed, the education and credentials help take you there," he said.

"One is a better lawyer for having a broad range of knowledge of both the law and society. If you go to law school thinking that way, then you come out a better lawyer and person."

Law Center colleagues also acknowledge Rogow's professionalism. "He is an inspiring instructor who brings legal theory to life for his students by injecting aspects of a lifetime of professional accomplishments into the classroom discussion," said Joseph D. Harbaugh, professor of law and dean emeritus at NSU's Shepard Broad Law Center. "He also emphasizes that the breadth of legal education will prepare them for careers in government, business, and public service organizations, as well as traditional legal practice."

Thirty-seven years ago, Rogow was a professor at the University of Miami's School of Law when he saw a newspaper article announcing the creation of NSU's new law school. He called Peter Thornton, who was to be the first dean. "We chatted, we liked each other, and the rest was history," he recalled.

History indeed. Today, Rogow is the only professor remaining from the first Law Center faculty, having also served as acting dean and co-dean. His wife, Jacquelyn, was a member of the inaugural Law Center graduating class, so the couple shares a special affinity for the school. Their three children—Bryce, Brooks, and Alyna—attended University School, furthering the family's ties to NSU.

"Bruce Rogow was a key person in the formation and success of the Law Center. His commitment to the Law Center's mission of ensuring that our students develop the knowledge, skills, and values that are at the heart of becoming trusted, highly adept, professional lawyers is as evident today as it was when the Law Center began," said Athornia Steele, J.D., Law Center dean.

As ever, Rogow remains unshakable in his belief in the power of the law. "Law has been one of the principal driving forces bringing our society to where it is today. The legal field will continue as the impetus for the social and societal changes in our country that can make the promises of freedom and equality into realities." ■

FACULTY PROFILE

It's All About the Children

BY CHARLYNE VARKONYI SCHAUB

Wilma Robles de Melendez, Ph.D., is a confident, committed teacher who lives by her mother's advice.

"She told me that 'You can do anything you want to do. The only thing stopping you is the limits set by you,'" said Robles de Melendez in her office at NSU's Abraham S. Fischler School of Education in North Miami Beach.

Her career has had few limits—as a classroom teacher, assistant principal, principal, state and regional supervisor, and director for a child development center, all in her native Puerto Rico.

Robles de Melendez was an assistant professor of humanities at the University of Puerto Rico when NSU offered her the position of program professor of early childhood education. She still retains that position 20 years later. Her first office at NSU was in a trailer on the main campus that used to house the GEM program (now called the Graduate Teacher Education Program). Robles de Melendez's affection for NSU was instant and continues to grow.

"It's a family here at NSU," said Robles de Melendez, who also is director of academic and faculty support at the Fischler School. "It has been like a home to me. They have an openness of ideas and acceptance of diversity. You are a person, not just a number. NSU allows me to use all of my resources to help a student."

At NSU, her early childhood education duties have included coordinating the bachelor's and graduate degree programs and overseeing compliance with state program approval requirements for the bachelor's and master's degrees in prekindergarten/primary education in Florida and Nevada. She has taught classes in early childhood and multicultural education at the undergraduate and graduate levels and worked to develop a doctoral minor and other program specializations.

Additionally, Robles de Melendez has taught in Greece, France, Jamaica, and Panama as part of NSU's international program. She also served as a member of the advisory group for the *Lee Y Serás* (Read and You Will Be) initiative, which was spearheaded by Scholastic in 2003. She authored an initiative curriculum that was launched nationally in 2005.



Wilma Robles de Melendez's work focuses on helping children.

The initiative's goal was to empower Latino families to support their children's literacy development. In recognition of her contributions to education and the community, Robles de Melendez was named one of Broward County's 12 Hispanic Women of Distinction in 2008.

"Wilma is not just an impressive scholar and teacher; she also embodies the initiative, caring, and global mindset that are essential for today's instructors to have," said Nelson Diaz, Ed.D., executive associate dean and program professor of NSU's Fischler School. "She leads by example, both in the classroom and in the community."

Robles de Melendez also has written 16 publications, including co-authoring *Teaching Young Children in Multicultural Classrooms* with Vesna Beck, Ed.D., Fischler School director of academic and faculty support. The book is considered a comprehensive resource for practicing professionals who work with young children. Robles de Melendez is particularly proud of this book because it focuses on working with diverse groups of children.

"My conviction is that diversity best describes the human experience," said Robles de Melendez. "In each of us we actually find a wonderful example of diversity in action. In a socially and culturally diverse world, which strives for peace and equality, learning about each other's unique and common ways can lead us to value, appreciate, and respect our differences. Beyond any differences, we are one."

Beck, her co-author, said Robles de Melendez is extremely focused on helping children and making sure those who work with young children are caring and knowledgeable.

"She is determined, driven, and persistent," Beck said. "But, she is also mindful of people's feelings and opinions."

Jennifer Llerandi, a former student of Robles de Melendez, was inspired to follow her mentor's career path after graduating in 2005 with a master's degree in early childhood education. Llerandi is now an adjunct faculty member at NSU's Fischler School and reports to Robles de Melendez.

"She always had respect for [her students] when it came to email, a phone call, or explaining course materials. I try to follow her example with my students," Llerandi said.

Llerandi acknowledged that she continues to learn from Robles de Melendez, whether it is a question about a syllabus, how to grade a project, or advice on a topic she is teaching.

"She has always been there for me, just a phone call away," Llerandi said. "It is the extra steps that I appreciate the most."

For Robles de Melendez, the role of teacher is never ending.

"You have to guide the students, not form them," she said. "You give them ideas, planting the seed to learn, knowing that you have given them what they need to be their best."

Robles de Melendez attributes her dedication to her students, the years she has spent in the classroom, and the books she has written to her mother, an elementary and middle-school teacher who died when she was in the prime of her life. Robles de Melendez recalls visiting her mother's classroom and falling in love with teaching. She sees her career as a way of honoring her mother's memory while empowering students.

"The teaching profession can help make changes happen," she said. "Teachers can create an environment where the students feel secure and know someone cares. If the students find something interesting and appealing, it will make a difference." ■



Curtain up on New Musical Theatre Major

Performance education at NSU takes a leap forward with the new Bachelor of Arts in Musical Theatre degree, offered by the Farquhar College of Arts and Sciences.

Housed within the college's Division of Performing and Visual Arts, the degree is designed to develop a student's fundamental knowledge of musical theatre, with focused coursework in theatre, dance, and music. The division also offers bachelor's degrees and minors in art, dance, music, theatre, and arts administration.

"Students will have the opportunity to study and practice many of the performing arts in diverse genres and settings," said Bill Adams, D.M.A., associate professor and coordinator of performing arts. "The goal is to help the student develop as a well-rounded performer."

Students also can build professional theatre credits through internships with The Promethean Theatre, NSU's Carbonell Award-winning professional theatre company-in-residence. The Carbonells honor South Florida theatre and are the equivalent of the Helen Hayes Awards in Washington, D.C.

Classes in which students receive special instruction and feedback from guest artists and theatre professionals also will be included. Guest artists have included Rita Moreno (Tony and Academy Award winner), David Burnham (Helen Hayes Award winner), Christine Andreas (Tony Award nominee), and Nilo Cruz (Pulitzer Prize winner).

For more information, contact Bill Adams at wadams@nova.edu or (954) 262-8025.

The Benefits of Nova Southeastern University's Student Educational Centers

BY MICHELLE F. SOLOMON

STUDENT

When Jacqueline Lecal receives her Ph.D. from Nova Southeastern University's College of Pharmacy in June 2012, her educational experience will have been just a bit different, yet just as rewarding, as those of her classmates at the main campus in Davie. By the time she graduates, Lecal will have attended classes, participated in student government, enjoyed extracurricular activities, and gathered her collegiate memories from the Palm Beach Student Educational Center, one of NSU's seven centers.

Drive on any major interstate in Florida and you'll see signs pointing to NSU's Student Educational Centers (SECs) in Fort Myers, Jacksonville, Miami, Orlando, Palm Beach, and Tampa. NSU also has an SEC in Nassau, Bahamas.

Enrollment at each SEC ranges from 500 to 3,000 students who are pursuing bachelor's, master's, doctoral, and professional degrees. Courses are offered in anesthesiologist assistant, pharmacy, business, education, mental health counseling, psychology, nursing, criminal justice, physician assistant, interdisciplinary arts, and more.

"What we've done is create a college and academic experience that is as close as possible to our main campus," said Joe Pepe, Ed.D., interim executive director for NSU's Student Educational Centers and the regional director of the Fort Myers SEC.



Students at the SECs study and learn together.

The SECs serve students using microcomputer and simulation labs, plus videoconferencing equipment. Course offerings are presented either in a classroom with a full-time or adjunct faculty member, via interactive video connected to the main campus, or online. Some courses are a blend of all three course-delivery types. Tutoring also is available.

In addition, the centers are staffed with academic advisors and full-time employees to help with registration, enrollment, and financial aid.

State-of-the-art fitness centers and student lounges provide places to work out, study, socialize, and network.

"We do a good job of bringing the main campus experience and services to our distance-education students," said Pepe. "The best part is that the centers are convenient and accessible."

Students are encouraged to join organizations specific to their SEC, and also be part of groups that are active on the main campus. Lecal is

president of the Palm Beach Student Government Association and vice president of the Alpha Zeta Omega Pharmaceutical Fraternity (AZO), where she is active in developing programming and events to help foster student engagement with peers and faculty and staff members.

"There are so many leadership opportunities here and ways to get involved because you're basically attending a smaller campus. It really is a great experience," Lecal said.

CENTERED

The SEC locations were established where the “need for academic programs was the greatest,” according to Frank DePiano, NSU provost and executive vice president for academic affairs.

Demand, especially for undergraduate programs, continues to increase.

To accommodate an ever-increasing student enrollment, the Palm Beach center was recently relocated and expanded with the construction of a 75,000-square-foot facility. The new four-story building features 26 classrooms, four labs, a student lounge, a fitness area, a pharmacy library, and administrative offices.

The SEC in Miami’s Kendall area stays ahead of demand in the medical profession by offering numerous programs and providing nursing students with a competitive edge—they can apply for a scholarship from Baptist Health South Florida. A perk for these students is a job at one of Baptist Health’s hospitals for a minimum of three years. Nursing students also have access to the on-site nursing laboratory, which offers students hands-on experience. (See story on page 3.)

In anticipation of a greater need in the area of health services in Jacksonville, the SEC there recently added a robust Master of Medical Science (M.M.S.) degree in Physician Assistant and also is offering a Bachelor of Health Science (B.H.Sc.). Additionally, the SEC celebrated a milestone when its first class of physician assistants graduated in August 2011.



Degrees and specializations in physician assistant and anesthesiologist assistant are among the programs offered at NSU’s SECs.

Last April, the Tampa SEC introduced NSU's first physical therapy program in the Tampa Bay area. Launched as a hybrid program, it combines classroom instruction with online classes. The program offers students a Hybrid Entry-Level Doctor of Physical Therapy degree, or D.P.T., from NSU's College of Allied Health and Nursing.

"This innovative D.P.T. program provides qualified, nontraditional students, such as working adults, with the opportunity to become physical therapists," said Mary Blackinton, PT, Ed.D., GCS, associate program director of the physical therapy program in Tampa. "Our blended learning design creates a strong, interactive learning community supported by the outstanding technological resources of NSU."

The Tampa SEC also is offering a Master of Health Science with a specialization in Anesthesiologist Assistant program that features coveted hospital-based clinical rotations available to students in their final semesters.

SEC students also participate in NSU's Dual Admission Program, where achieving students who maintain a high grade point average specific to their program are assured places in one of NSU's graduate or professional schools while earning their bachelor's degrees.

Academics at the SECs are held to the same standards as all NSU programs. "These aren't watered-down programs. The students are getting the same quality education as they would get on our main campus," said DePiano.

The SECs not only serve students, but also are intended to be vital community partners. In Fort Myers, NSU is part of the Civilian Volunteer



Students at the Orlando SEC

Medical Reserve Corps. "Our students have been trained and are mobilized to help in case of an emergency," said Pepe.

Community groups can use the facilities for meetings and training seminars. NSU alumni in each area are encouraged to visit and make use of the SECs for business, networking, and social events. "We'd like to see alumni chapters established and housed out of each of these centers, and that goal is not far off," said DePiano.

Graduating students of the SECs can count themselves among proud NSU alumni who have had an academic and collegiate experience of excellence that is no different than their colleagues at the main campus. "A lot of our students see the benefit of getting a large campus experience in a more close-knit environment," said Pepe. ■

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SECs Anchored in Communities

BY MICHELLE F. SOLOMON

Kathy Sandusky, regional director of Nova Southeastern University's Jacksonville Student Educational Center (SEC), puts the emphasis on "C for community" when discussing what the Jacksonville and the other SECs mean to the cities in which they thrive.

Sandusky's job is to make sure everything runs smoothly at the Jacksonville SEC, including recruiting new students; overseeing staff, administration, and faculty; and coordinating community relations.

She believes her role as director is to be visible in the community—to strengthen NSU's existing relationships and build new partnerships. Through the years, she has been instrumental in setting up partnerships for NSU with 17 school districts and 10 institutions of higher education.

"I feel it is part of my job to get in there and give my time and effort as a representative of NSU and on its behalf," said Sandusky, who is a member of several groups including the Jacksonville Chamber of Commerce; the Jacksonville Community Council, Inc.; the Florida State College at Jacksonville Education Advisory Committee; and the Banner Center for Global Logistics.

Sandusky also believes SEC partnerships are important to begin a dialogue that can help with NSU recruitment and job placement. These partnerships provide a valuable service to the community, as evidenced when the Jacksonville SEC hosted Duval County School District's "Principal for a Day" forum, providing an opportunity for community and business leaders to discuss lessons learned about the challenges of running a school. This year, the Jacksonville SEC offered its facility for the Florida Comprehensive Assessment Test (FCAT) for virtual students in Duval County as well.

"It was a way for us to be a good community partner by providing a site for these students to take their tests," said Sandusky. "Previously, they had been shuffled around to different locations, but really had no one place to go for their testing. Now, we are considered their business partner."

The FCAT program at the Jacksonville center is a model program that may be introduced at NSU's other SECs.

In addition, the Jacksonville Student Educational Center partners with the *Jacksonville Business Journal*,



Kathy Sandusky of the Jacksonville SEC believes in community involvement.

African American Chamber of Commerce, and others to host seminars concerning issues of interest to the business community. NSU is a sponsor of the Naval Air show scheduled for November at the Naval Station Mayport in Jacksonville.

"Kathy has built a strong relationship between NSU Jacksonville and the rich resources of the community," said Frank DePiano, Ph.D., provost and executive vice president for academic affairs at NSU. "She knows where the trends are, what direction the community is heading in, and where the leadership is coming from. That really is the kind of knowledge base we need to help us with our primary goal, and that is to be able to serve students in that area to their fullest potential."

Sandusky, who has been with NSU since 1991, added, "The Jacksonville SEC will remain vital because it has the ability to support NSU and to educate all sorts of people, whether they are just coming out of high school or working adults needing a flexible class schedule or online classes." ■

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ALUMNI PROFILE

Secure in a Lifetime of Challenges

BY JOANNE FERCHLAND-PARELLA
VICE PRESIDENT OF INSTITUTIONAL ADVANCEMENT

When the George W. Bush administration looked for someone to help organize the human resources function at the fledgling Department of Homeland Security, it was NSU alumnus **Tom Cairns**, D.B.A., class of 1996, who got the call. At that time, the five-year-old agency had run through six human capital officers who had been tasked with integrating the staff of six separate federal agencies and hiring for the newly created Transportation Security Administration (TSA). Many might have shrunk from the challenge, but a lifetime of educational and professional experience had prepared Cairns for the undertaking.

For more than 30 years, Cairns has been a troubleshooter, a professional specialist who can enter an organization, determine what is going wrong and why, and develop ways to fix the problem. Following a tour in the United States Air Force, Cairns began his career in human resources when he joined the Radio Corporation of America (RCA). At the time, RCA was a manufacturing corporation; a defense contractor; and an early innovator in privatized support services to federal, state, and local governments. In his role at RCA, Cairns provided employee and labor relations support to job corps centers, a variety of Department of Defense contracts, and the National Oceanic and Atmospheric Administration (NOAA) in Alaska. He also ran the employee relations functions of RCA, providing support to the U.S. Army at Fort Monmouth, New Jersey, and the City of New York.



Tom Cairns returned to the private sector in 2009.

When RCA was purchased by General Electric (GE) in 1986, Cairns was transferred to the television arm of the corporation, National Broadcasting Company (NBC), in Miami, at the local television station WTVJ. During this period, Cairns was working on his master's degree in human resources at NSU's H. Wayne Huizenga School of Business and Entrepreneurship. He also hired a faculty member from the Huizenga School, Bob Preziosi, Ph.D., to assist in creating a supervisory training program for employees at the Miami station. Preziosi encouraged Cairns to continue his education and enter the Doctor of Business Administration program at NSU.

Cairns was then tapped to lead the newly created human resources function

for the recently acquired NBC television station in Philadelphia. There, he developed a program to groom current employees for promotions and assisted in integrating the television station into the NBC culture.

In addition to his NBC duties, Cairns was selected to participate in a team led by GE human resources gurus, under CEO Jack Welch, to create smaller, highly efficient workforces throughout the corporation, its subsidiaries, and vendors. This experience was the basis of Cairns' NSU doctoral dissertation.

Later, Cairns moved to Los Angeles, where he served as senior vice president of human resources for NBC and NBC Universal, until his retirement after 30 years with GE.

“We all know where we were on 9/11 and the importance of what [Homeland Security] is doing.”

Following retirement, Cairns founded the Cairns Blaner Group, a consulting company focused on delivering career-management strategies and services. He even found some time to pursue his love of golf. Then, he got the call from the White House. “We all know where we were on 9/11 and the importance of what [Homeland Security] is doing. These are dedicated public servants who identify with the mission to serve and protect the people of the United States. It was a privilege to be asked to join them. I had to say yes.”

Cairns joined the Department of Homeland Security, which was created following the terrorist attacks of September 11, during the last several months of the Bush administration. He knew this was a short-term assignment that would require him to quickly assess the situation, build trust with agency employees, and implement needed changes in a minimal amount of time. While every agency within Homeland Security shared the mission of keeping the country safe, each had a different viewpoint about how this was to be accomplished and how employees within each organization worked with each other.

Cairns quickly realized that he faced the additional challenge that government human resources practices

were still operating on principles and policies common 20 years ago. “I’d forgotten what 20 years ago looked like,” he said. “Things were labor intensive and paper driven. There was more ‘throw people at the problem’ versus improving processes. From an operational standpoint, [each agency] had its own functions and separate funding. Now they needed to be brought together.”

He believed the best way was to create a management system with common standards for all the business elements of running the agencies, including human resources hiring, policies, information technology, and finance.

Yet, before he operated on any assumptions, he assembled his team of human resources representatives from all the associated agencies and asked them what they thought. He received valuable feedback that allowed him to work with his team, addressing the most critical issues, such as creating a five-year human resources strategic plan, forecasting budgets two years in advance for congressional approval, and unjamming a backlog of hiring to fill vacancies.

As if the plate were not full enough, the 2008 presidential election resulted in a democratic administration in the White House. This would

require transitioning out former political appointees and replacing them for the new incumbents. To achieve this efficiently, Cairns was asked by the Obama administration to continue the work he had started.

By gaining the trust of stakeholders and having their help in identifying solutions, Cairns and his team worked at lightning speed. In what ended up as 12 months of service, Cairns led the effort to hire 130 replacements for the 170 available political-appointee positions throughout Homeland Security and its associated agencies, establish a succession plan for career professionals to fill in for appointees, and develop human resources plans and policies for the entire organization.

Since returning to the private sector in 2009, Cairns continues to grow his client base for his consulting firm. He serves as a career coach for the Graziadio School of Business at Pepperdine University and as an adjunct professor of management at Azusa Pacific University. He recently joined Nova Southeastern University’s President’s Advisory Council, working with George L. Hanbury II, Ph.D., NSU president. And, Cairns tries to squeeze in a golf game or two at his favorite courses around the country. ■

ALUMNI PROFILE



Warren Cohn handles a variety of clients in the entertainment and sports fields.

I like most about U.S. Trust is that we have a fiduciary relationship with our clients. It means that we audit the investments of our customers to be sure that they are appropriate. We invest for the long-term, not for high-risk, short-lived gains.”

Cohn and his team also have the challenge of ensuring that clients and their children handle the positives as well as the negatives of being extremely wealthy. “We’ve all heard of Hollywood kids who go down the wrong path. They get exposed to a lot early in their lives. We work with our clients to help them talk to their kids about money and making good choices. We can even structure

incentive trusts that distribute funds to children

hitting positive benchmarks like staying in school, not using drugs, or succumbing to the lifestyle found in L.A.”

What is most satisfying to Cohn is the opportunity to work with individuals who want to do good for the community. “The majority of our customers want their families to be comfortable, but intend to leave the bulk of their wealth to charity. We assist many of them in setting up foundations and creating charitable estate plans.” In addition, Cohn notes that Bank of America, the parent company of U.S. Trust, gives away millions annually in communities where it has a strong presence and encourages executives like Cohn to take an active role in volunteer leadership in charitable organizations.

To that end, Cohn is vice chair of the Trevor Project, a national organization that provides a call center and counseling to gay, bisexual, lesbian, transgender, and questioning (GBLTQ) youth who are at risk of suicide because of bullying experiences. Cohn explained that he was moved to join the organization because it saves lives. “There are adults today who can thank the Trevor Project for being alive because someone supported them in a time of need.” The organization receives 3,500 calls per month from youth around the country through its 24-hour call center. It also provides advocacy and educational programs for teachers, parents, school counselors, and students.

Cohn also serves as co-president of the California State Summer School for the Arts (CSSSA), a public/private nonprofit that provides intensive arts training and education

Alumni Brings a Wealth of Knowledge to Career

BY JOANNE FERCHLAND-PARELLA,
VICE PRESIDENT OF INSTITUTIONAL ADVANCEMENT

Warren Cohn, M.B.A. '03, lives a life that Hollywood insiders might envy. As senior vice president of U.S. Trust, Bank of America Private Wealth Management, Cohn leads a team of accountants, estate attorneys, portfolio managers, and wealth strategists that cater to the investment management needs of some of the entertainment industry’s top actors, writers, directors, producers, and studio executives, as well as top professional athletes. As he puts it, “My clients are my friends, and we spend lots of time socializing like attending Lakers games, traveling, and other ways of getting to know each other.”

Yet, despite the sheen of glamour, working with these superachievers is serious work. U.S. Trust’s customers must have a net worth in excess of \$25 million, with investable assets of at least \$5 million. Because many of his clients are in highly competitive and potentially short-lived career tracks, they need to invest for the long-term, so that their assets last even after the movie offers stop or a position is no longer available on a team.

“Some of our clients come from modest backgrounds and don’t have experience in handling large incomes. They can be big targets for scam artists. We work with our clients to help them understand and protect their wealth. One of the things

for 500–600 high-school students each summer. The CSSSA board includes many entertainment industry leaders who encourage graduates of the program to seek internship and employment opportunities at their studios and production companies and other opportunities in the business.

Cohn credits his interest in philanthropy to his parents. His father was a pilot for Eastern Airlines and now flies for private clients. His mother recently retired from a teaching career at David Posnak Hebrew Day School in Plantation, Florida. His sister and her family live in Atlanta, Georgia. Cohn and his sister were encouraged by their parents to give back to the community and to be involved. He majored in prelaw at George Washington University and was accepted into law school. However, he fell in love with investment banking and the capital markets following a summer internship at Paine Webber (now UBS).

“No day is ever dull or the same...I left investment banking because I wanted to have an impact on people’s lives.”

He worked at several private equity firms before taking a break to pursue his M.B.A. at NSU’s H. Wayne Huizenga School of Business and Entrepreneurship. Halfway through the program, he was offered an incredible opportunity to join an outsourcing consulting firm in San Francisco during the dot-com boom. One of his Huizenga School professors encouraged him to take the job and convert to a part-time, online student to complete his M.B.A. Cohn praises the professor for his support and for the flexibility of NSU’s M.B.A. offerings.

Post-M.B.A., Cohn joined Mellon Bank, running its entertainment and media client practice, and stayed with the firm until it merged with Bank of New York, when he was wooed by U.S. Trust to transfer his entertainment practice to them.

U.S. Trust manages more than \$192 billion in client assets. Cohn’s entertainment and sports practice, with its respective billions, includes a team of 54 investment and wealth management professionals.

“No day is ever dull or the same. I love what I do. I left investment banking because I wanted to have an impact on people’s lives. Working with my clients, I can assist them in caring for their families and helping them to do good in the community.” ■

NEW DEGREE PROGRAMS OFFERED

The Division of Applied Interdisciplinary Studies is now offering two new degree programs.

■ Psy.D. in School Psychology

The Center for Psychological Studies launched a doctoral program in school psychology, designed for students with an undergraduate degree in psychology or a specialist degree in school psychology.

Ranked as one of *U.S. News & World Report’s* 50 Best Careers of 2010, degrees in school psychology prepare students to meet the psychological and educational needs of children and youth.

NSU is the only university in the Southeast to offer a Psy.D. in School Psychology.

■ Ph.D. in Criminal Justice

The Institute for the Study of Human Service, Health, and Justice is offering a new Ph.D. program that will open up areas of research, academia, and management in an online environment.

The program’s core curriculum includes criminal law and statistics and allows for specialty training with courses on behavioral science and juvenile justice. This Ph.D. is designed for those in law enforcement, those with law degrees, or anyone considering a career change.



ALUMNI PROFILE

From High-Speed Computers to High Adventure

BY KAY MILLS

Before computers were everywhere, Donald Lemma's high school had a PDP-8, one of the first successful minicomputers. That was back in the 1970s, and Lemma, always interested in science and electronics growing up in New Jersey, would program night and day. "I just fell in love with it."

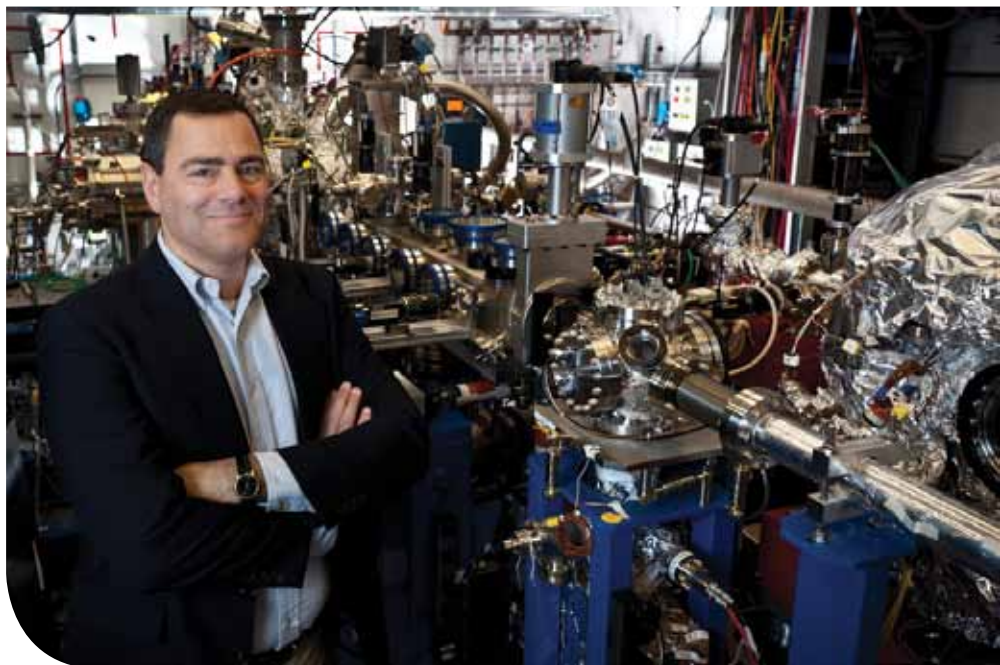
Years later, he was drawn to Nova Southeastern University for his doctoral degree in computer information systems because he wanted to pursue it without interrupting the career he had spent 15 years developing. NSU's program allowed him to go to Florida one week out of every twelve while still working as chief information officer for a biopharmaceutical firm in New Jersey. He received his degree in 1999 from NSU's Graduate School of Computer and Information Sciences (GSCIS).

Last year, Lemma, Ph.D., was named CIO and director of computing for the SLAC National Accelerator Laboratory in Menlo Park, California, operated for the U.S. Department of Energy by Stanford University.

"Without my Ph.D. from NSU, I doubt that I would have gotten the job, since the credentials of a Ph.D. are valued in both academic and scientific environments," he said.

"NSU was a perfect fit for my needs. It provided me with the resources I needed to further my education in the computing arena, gave me the ability to network with peers who were in the Ph.D. program, and allowed me to continue my full-time employment as a CIO while completing the degree requirements."

SLAC, one of 17 U.S. National Laboratories, has a rich history of contribution to both science and computing. Research at SLAC has led to six Nobel Prizes. Formed 48 years ago with a mission to research high-energy physics, "the lab is responsible for the discovery of many of the subatomic particles that we know today," Lemma said. Running across the hills above the Stanford campus, its two-mile-long linear accelerator is the longest in the world.



Donald Lemma, with the Atomic and Molecular Optical Instrument, is CIO and director of computing for the SLAC National Accelerator Laboratory.

"Every aspect of the science that we do involves high-performance computing being embedded in the work, ranging from viewing proteins at the molecular level to processing data from the orbiting Fermi Gamma-Ray Space Telescope," he said.

"Our latest breakthrough, the X-ray laser, produces an X-ray that is one billion times more powerful than any X-ray ever produced by man. It can capture image data at a quadrillionth of a second at a resolution at the atomic scale."

The advances activated while he's been at SLAC are myriad. "Some computing tools that came out of this effort at SLAC included the world's first Internet application, the invention of instant messaging, the Web search engine, and the world's first Web browser. We currently maintain the largest scientific database in the world."

Lemma's dissertation at NSU was entitled "A theoretical model of a prescription drug public key encryption system." It explored options for sending and authenticating prescriptions. In a simple example, Lemma said, a physician could send a prescription to a pharmacist to avoid having a prescription

AROUND CAMPUS

altered and filled for more pills than prescribed. The physician would use what's called a public key—or code—but the pharmacist would have a private key that only he or she possessed. Using “a bidirectional encryption,” the pharmacist also can be certain that the message came from the prescribing physician.

One of the members of Lemma's dissertation advisory panel, Sumitra Mukherjee, Ph.D., a professor at NSU's GSCIS, said that ecommerce is much more prevalent now than when Lemma did his work. “This kind of encryption hadn't been applied yet in the medical field,” he added.

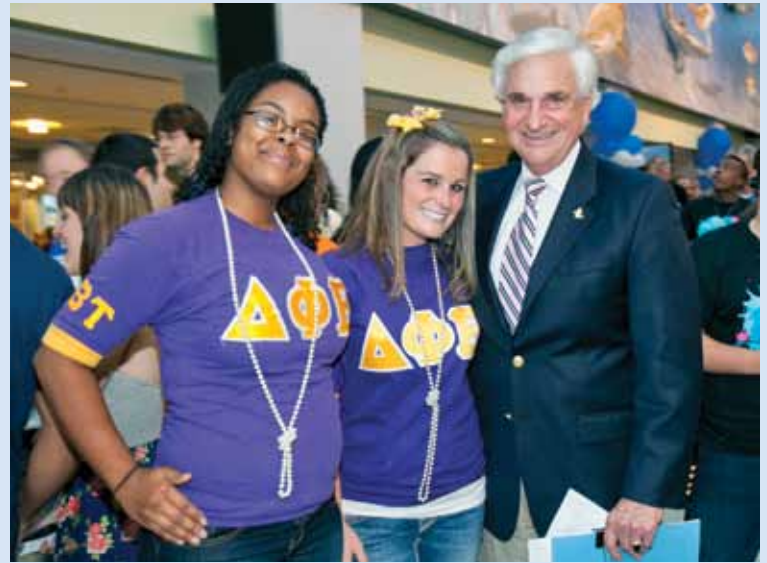
“He was one of the most efficient students,” Mukherjee said. “He is good at explaining complex subjects so that people can understand them.”

Most graduate students may spend six years on their studies and dissertations, but Lemma “couldn't afford to do that” because he had a full-time job. Although other NSU graduate students were employed, too, “Lemma probably held a much more senior position than any of the others,” Mukherjee said. Lemma finished his studies in three calendar years—two years in the classroom and one year researching and writing the dissertation.

While in New Jersey, Lemma also worked for Governor Christine Todd Whitman, who asked him to modernize New Jersey's technological infrastructure. For more than two years, he managed a 140-person staff and a multimillion-dollar budget.

Lemma, 48, who is married with a son and daughter in college, doesn't spend all his time around computers. He has climbed Half Dome in Yosemite National Park three times. Now, he's working on reaching the highest points in each of the 50 states and has done 29 so far, including Mount Whitney in California. Florida has the nation's lowest high point, Britton Hill in the panhandle at 345 feet.

Last year, Lemma walked to the North Pole, although he confessed that he had a helicopter get him near that point. How did it feel there? “Cold,” he said. “But, at the top of the world ‘the time’ was anything I wanted it to be, and everywhere I looked was south.” ■



President Hanbury with members of Delta Phi Epsilon, one of NSU's established chapters.

NSU's Greek Community Grows

Fraternity brothers and sorority sisters at Nova Southeastern University are campus leaders dedicated to building a strong, student-centered community. And their number is growing each year.

Currently, there are 12 established fraternities and sororities at NSU. More than 300 students are represented by these organizations, which, despite their differences in origin and rituals, are each based on common principles such as philanthropy, scholarship, honor, friendship, and knowledge.

“Joining a fraternity or sorority provides a student with many opportunities to make new friends and enhance their leadership skills, while making memories that last a lifetime,” said Andrea Gaspardino Kovachy, M.A., director of student activities at NSU.

Kovachy said that NSU's Greek groups place a strong emphasis on academic excellence and scholarship, while also promoting a high level of campus involvement. Becoming a part of the Greek community can help ease a student's transition into college and connect those who share similar interests, she added.

Some of NSU's annual Greek traditions include a Strongman Competition to raise funds and awareness for multiple sclerosis; a Breast Cancer Benefit Dinner; the Mr. Fantastic male beauty pageant benefiting cystic fibrosis; the Prevent Child Abuse American Benefit Concert; and Greek Week, which celebrates values and traditions that build NSU's Greek community.

For more information about NSU's fraternities and sororities, visit www.nova.edu/greeks.

ATHLETICS

Rowers Make Waves with Teamwork

BY OLIVE H. COGDILL

Ask any member of NSU's women's rowing team what makes champions and each will say teamwork.

"This is the ultimate teamwork sport," said **Lauren Boudreau**, a junior majoring in biology at the Farquhar College of Arts and Sciences and a team captain for the second year.

Intense teamwork propelled the Sharks to become the number one rowing team in the Sunshine State Conference's South Region and number four in the nation during the National Collegiate Athletic Association's (NCAA) championships. The team has competed against some of the country's dominant crews, including six-time defending national champions Western Washington University. Since forming eight years ago, the rowing Sharks have won four Sunshine State Conference titles and earned seven bids to the NCAA Division II National Championships. Mary Lenington from the University of Texas—Austin is the new rowing head coach following former head coach John Gartin's departure to Oklahoma.

Teamwork is part of a rower's routine, and it starts early. The rowers leave daily at 4:35 a.m. from NSU for practice in a park that fronts the Intracoastal Waterway in Hollywood, Florida.

From the moment the rowers arrive at the park until the boats are on the water, each movement is choreographed, explained assistant rowing coach Lauren Spinka.

"It is a bond to get all the members of the boat rowing in synchronization. And, if the chemistry is off, the row isn't good," said **Claire Kurlycheck**, a senior majoring in environmental sciences.

The training schedule for the rowing team is intense. In addition to the time on the water, practice and training take four hours a day. The rowers weight train twice a week, exercise at the NSU Strength and Conditioning Complex, and undergo complete cardio training three days a week.

The grueling schedule pays off. "There is no tired option, not if you want to win a national championship," said Boudreau.

"We see each other at our best and worst," said **Catherine Plesko**, a sophomore who is considering sports management as a major. "We push each other."



Of the 45 rowers on the team, 38 are returning members. The high percentage of returnees is consistent, helping to attract new rowers.

"When new rowers apply, they see a history because of the continuity of the team. It gives them a sense of identity that this is what a Shark rower is," said Spinka.

The student-athletes generally are divided into three boats of nine rowers and four boats of five people; a couple of two-person boats also are used. One person in each boat acts as the coxswain, whose duties are to lead and steer the boat on the water. The team has three captains and a volunteer coach, **Robin Casioli**, a graduate student at the Oceanographic Center.

While the sport of rowing is demanding, Spinka stressed that the coaches are proud that the team has a solid 3.0 grade point average.

"I know I received a good education at NSU," said **Elizabeth Hurley**, who recently graduated with a bachelor's degree in exercise science from the Farquhar College of Arts and Sciences.

These champion rowers also are honing life skills while on the water.

"The skills I learned as a young rower transferred to my professional and personal life," said Spinka.

Rowers by nature are "highly motivated people," she added. "They all want to be successful, to win. And the sport encourages that because it tests you. Rowing's physical and mental demands challenge you." ■

Sharks Baseball Team Thrives on Pressure

BY RALPH DE LA CRUZ

Success in college baseball isn't defined by a single championship title. Rather, it's determined by long-term commitment, by being able to go beyond one coach, one team, or one season.

Michael Mominey had a plan for the success of NSU's baseball team when he stepped down last year as head baseball coach to serve full time as the athletic director for the Sharks. Mominey hired Greg Brown, a former professional player and professional scout, to take his spot. In turn, Mominey and Brown made sure the Sharks' veteran assistant coaches stayed in place to smooth the transition.

"I knew we had a great opportunity to be successful," Brown said.

This season, Brown's first, the Sharks went 35-18 and three players (**Sean Albury**, **Nick Avila**, and **Andrew Durden**) were taken in the Major League Baseball draft. Not only were the Sharks invited to the first National Collegiate Athletic

"At our field, it would have been out," said **Sean Tighe**, a senior M.B.A. student.

Unfortunately, the ball died at the fence—and was caught. The Sharks closed to within one in the ninth inning, but were unable to tie. The 5-4 heartbreaker ended their season.

"Now they understand: this is what we're here to do—to be in the championship," Brown said. "We expect to be here."

So, the Sharks have gone beyond one coach. Now is the next test of collegiate baseball success: going beyond one season and doing it again.

The team has 26 underclassmen, including 11 juniors, returning along with the Sunshine State Conference's Freshman of the Year, Asuaje.

"We have pitcher Sean (Tighe) and outfielder **A.J. (Regoli)** coming back," said Brown. "Tighe's a lock-down guy. And we expect great things from him. He has the potential to be a 10-game winner next season."

Tighe had the most strikeouts (94) on the team, and kept opponents to a .245 batting average, the lowest of any Sharks pitcher.

Not bad for someone who hurt his arm after a strong freshman season at Indian River Community College. Tighe, who had already been offered a scholarship by NSU, needed shoulder surgery, and despite the uncertainty that accompanies athletic injuries, assistant coach Ray Romero honored the offer.

"I'll be forever grateful," Tighe said.

Right-fielder Regoli earned all-conference honors as a junior. "He has the ability to affect the game in every way and be the best player in this conference," Brown said.

Regoli led the team in walks (29), was third in batting average (.331), and fourth in slugging (.494) percentage. He also had the longest hit streak (15 games).

And then there's Asuaje.

Asuaje was second in batting (.355) and third in slugging (.498) percentages. "I think he'll be the measuring stick for all future players here," Brown said.

"There will be pressure on us next year," Asuaje said.

"But, I love pressure. I thrive on pressure." ■



Andrew Durden

Association (NCAA) Division II South Regional Tournament in school history, they came within a well-hit ball of reaching the Regional Semifinals.

Smooth indeed.

The Sharks worked their way into a semifinal showdown against rival Barry University. The two teams had already played six times and split the games, 3-3. In the sixth, it appeared that NSU freshman sensation **Carlos Asuaje**, an accounting major, had tied the game when he blasted a shot to right-center field.

Changing Lives Scholarship

BY CAROL REYNOLDS-SROT

Finding alumni, professors, and students who exude pride in Nova Southeastern University is not difficult. Now, the university has created a tangible way for anyone to demonstrate pride in NSU and help current NSU students.

The Changing Lives Scholarship offers donors the opportunity to establish a \$5,000 scholarship in their name, or in honor or memory of a loved one. It is payable through manageable installments over a period of up to five years. The scholarship may be designated for student-athletes or for students attending a specific college, school, or center. The inaugural Changing Lives Scholars will be named during the fall 2012 semester.

"We want to make a difference for students who show academic promise and financial need," said Joanne Ferchland-Parella, vice president for Institutional Advancement at NSU. "Changing Lives Scholarships are a meaningful and affordable way for alumni and friends to establish a named scholarship."

Donors are responding positively to the new scholarship program.

"NSU gave me my career, and I want to give back to the school," said Melanie G. May, who received her Juris Doctor degree in 1981 from what was then known as the Nova Law Center. May is the chief judge for Florida's Fourth District Court of Appeal.

May, who also is chair of the Board of Governors for the Shepard Broad Law Center and an ex officio member of NSU's Board of Trustees, is establishing a Changing Lives Scholarship designated for a student in the Law Center.

"When I attended NSU, I was a research assistant for Arthur Goldberg, a former United States Supreme Court Justice, who was teaching at the school. I would not have had that kind of opportunity anywhere else," said May. "The Law Center gave him, and gives all its law professors, the academic freedom to be the best teachers they can be. I think that's something special the school offers and that attracts better professors."

Entrepreneur Danny Carter became friends with NSU trustee Albert Miniaci and his wife, Beatrice, after the couple took dance lessons from him. Last year, Carter attended a dance production by the Farquhar College of Arts and Sciences and found himself moved by the performance. "Soon after that, I called the performing arts school and told them I wanted to help out in some way," he said. "A Changing Lives Scholarship is what I chose to do."

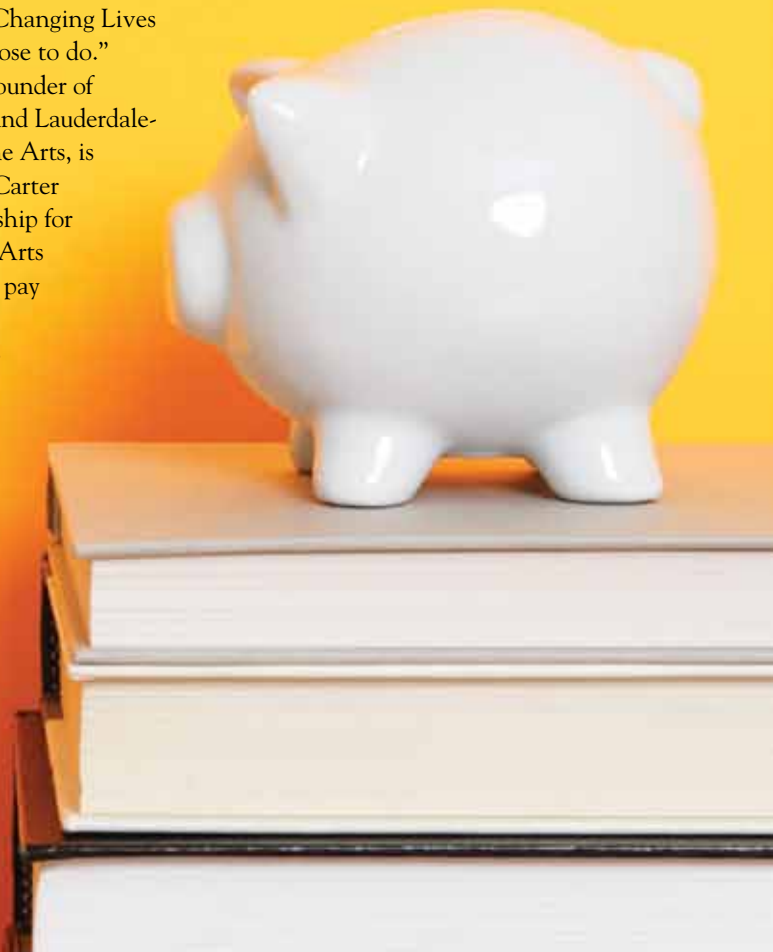
Carter, owner and founder of DanceMoves Ballroom and Lauderdale-by-the-Sea Center for the Arts, is establishing the Danny Carter Changing Lives Scholarship for the Farquhar College of Arts and Sciences. "I want to pay it forward," said Carter. "Dancing for 29 years has given me an identity. I want to help someone who wants to be an artist, someone who needs encouragement."

Daniel Markarian, a social studies professor at the Abraham S. Fischler School of Education, is establishing a

scholarship designated for Fischler School students. The scholarship will be in honor of his colleague and mentor Mary Lynn Collins, Ph.D., a Fischler School professor who also conducts research on effective teaching methods.

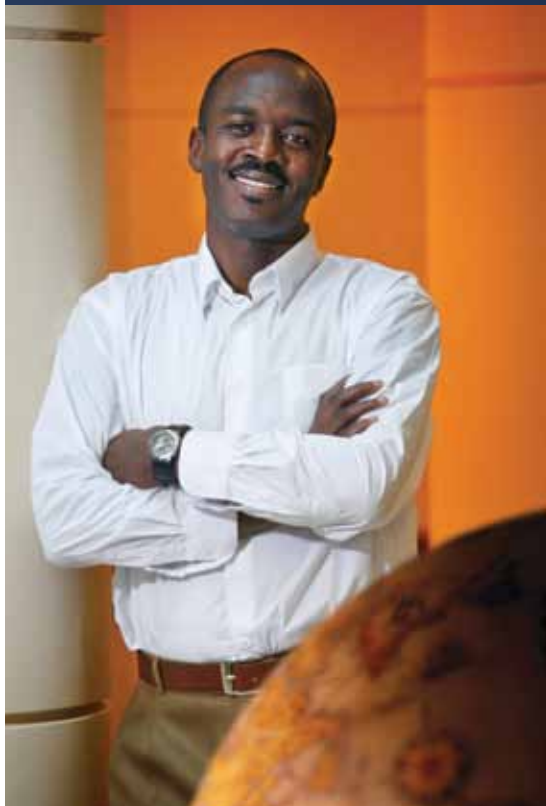
"Great teachers lead by example and create an environment that facilitates engaged learning," said Markarian, Ed.D. "[Collins] is a dynamic educator, mentor, and guiding influence who always puts the best interest of the program before her own. I hope this scholarship will attract candidates who strive to promote that kind of excellence in teaching."

To learn more about establishing a Changing Lives Scholarship, please contact Susan Peirce at (954) 262-2126 or susan.peirce@nova.edu. ■



CHANGING LIVES

AND CHANGING THE WORLD



ABUBAKR ELNOOR | Doctoral Candidate

Graduate School of
Humanities and Social Sciences

Abubakr Elnoor came to NSU to find solutions for his country, Darfur. The university's Department of Conflict Analysis and Resolution (DCAR) programs offered him hope. Elnoor considers his DCAR professors to be great role models with global perspectives. Support for DCAR continues what Elnoor says is needed to resolve conflict: "Passion and patience." Your gift to THE NSU FUND provides scholarships and resources for students who are inspiring change in the world.

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Please consider making a gift to THE NSU FUND this year. Your support is critical in making a difference in the lives of our students. Please complete the enclosed envelope or contact Mike D'Eugenio, director of annual giving at (954) 262-2100 or annualfund@nova.edu with any questions.





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